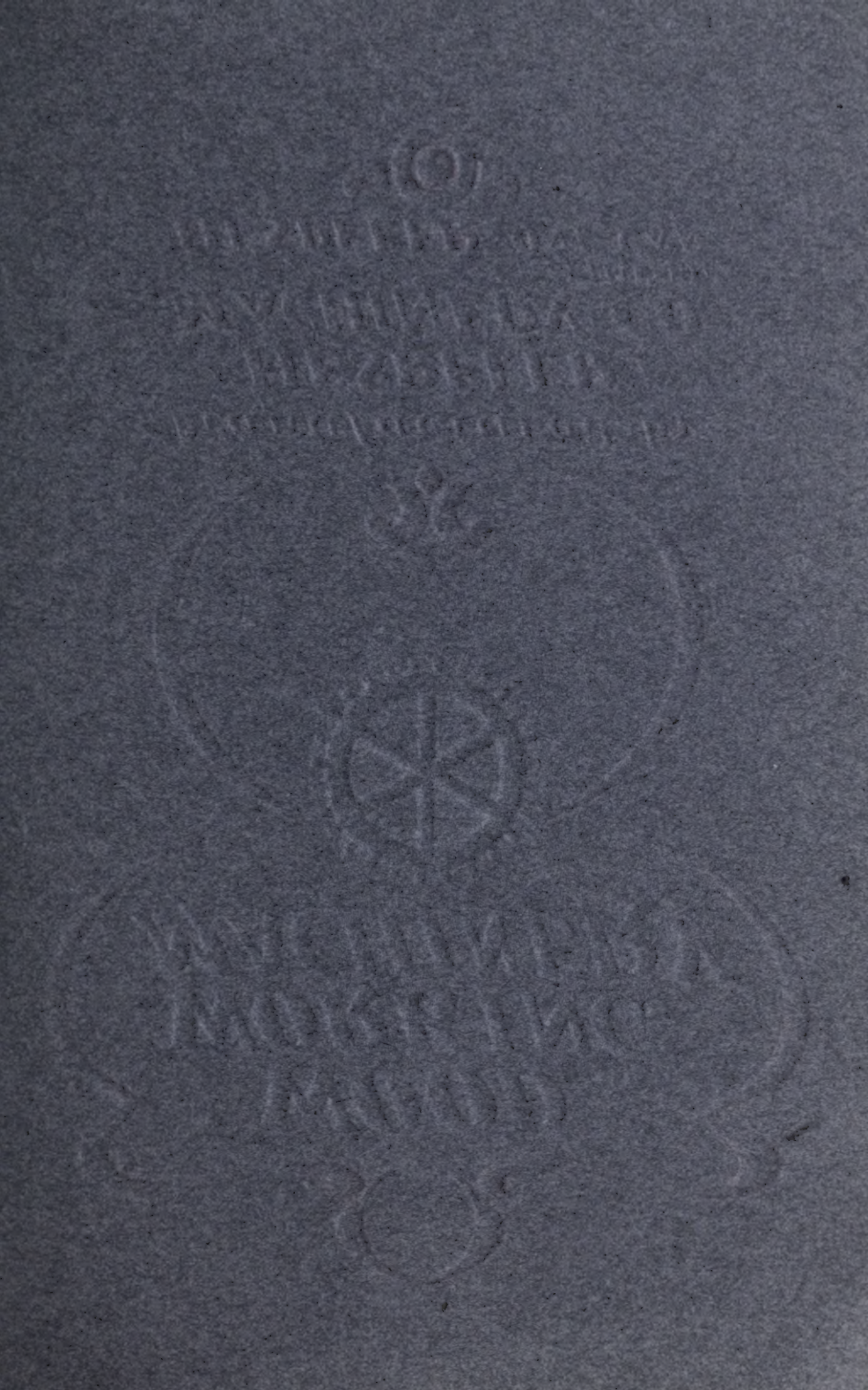
# WOOD WORKING MACHINERY

Manufactured by

HESPELER MACHINERY CO.
LIMITED

HESPELER. ONT. CAN.



CATALOGUE "A"

# HESPELER MACHINERY CO.

Limited

Manufacturers of

HIGH GRADE
WOOD TOOLS

HESPELER, ONTARIO

# To Our Patrons, and all Users of Wood Tools Throughout Canada

We beg to say that in issuing our first series of bulletins contained in folder, we have found it advisable to issue same in an uncompleted state. At the time of mailing, other bulletins are still coming through the press, and will be forwarded from time to time as we receive same. Our first series complete includes forty-six bulletins, which will be constantly added to as necessity demands, it being the intention of the company to secure the rights on any up-to-date machines which are brought to our notice. We are in constant communication with American manufacturers and patentees of machines, endeavoring to secure that which will be most beneficial to the users of Wood Tools in this country.

This issue of bulletins will contain several American patented specialties of which we are the sole Canadian Licencees, and which we are manufacturing under a heavy royalty which, however, we believe is to our interest, and to the interests of our customers, to pay, rather than to endeavor to copy and steal new designs without either the consent or the good-will of the originators of the machines, and by so doing running the risk of sacrificing many of the vital points, (a thorough knowledge of which is necessary to turn out a finished and complete machine) and in doing this avoid the pitfalls which others have fallen into, which cause loss to themselves and annoyance and expense to their customers.

To inventors and originators of improved machines, we would say that for any machines which in our opinion possess sufficient merit to warrant their manufacture in this country, we are willing at all times to negotiate and treat on a business basis for said rights.

Our facilities for turning out high grade work are of the best. Our designs are the latest, material the best that can be procured, and workmanship unsurpassed. We aim to keep a full stock of standard machines on hand for prompt shipment at all times. We ship by G. T. R. and C. P. R., the former having switch to our shipping room, while the latter is only a hundred yards distant.

We sincerely thank our patrons for the orders placed with us to date and for the many cheerful letters we have received with reference to our machinery. We solicit a continuance of their enquiries and business, all of which will have our careful attention. From the many we have not had the pleasure of doing business with we solicit enquiries and beg to state that we are in a position to furnish the following machines :

**Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, Mortisers, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers and Sanders, including Smith's Patent Revolving Bed Sander, and Lucas Belt Panel Sander.**

# A Word of Caution

Before our machinery is shipped every machine is well tested by an expert mechanic, and when a machine leaves here it is as near perfect as it is possible to make it, and is not shipped until it performs its work in a satisfactory manner.

When machinery arrives at its destination great care should be taken in the setting and starting of same. A machine should be levelled up as accurately as possible and set on a firm foundation. All oil holes should be located and a liberal amount of oil should be supplied for the first two or three days. It frequently happens that machines sent out in good condition are bolted down to an uneven floor without any care being taken to level up the machines, belts as tight as it is possible to stretch on are put in place and the machine immediately started off under a load; whereas where possible, machines, especially Shapers, Matchers and Moulders, should be run with a slack belt for two or three hours, as it is impossible for any machine to be moved from one location to the other and work perfectly unless it is set identical with the way the machine was built and tested. Too often oil holes are overlooked and not sufficient attention given them until it is too late to avoid trouble.

This is particularly noticeable in many of the smaller mills and many factories starting up with inexperienced help. And we wish to state that where any of our customers experience trouble with our machines at the starting up, we will send a competent man to investigate the cause of the trouble, with this understanding, that if the fault is traceable to any defects in the machine, or any neglect on our part, we will remedy same free of charge, but where the trouble arises through negligence or incompetency of operator, the time and expenses of our mechanic will be charged for at the regular repair rate.

HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# Improved Heavy Cabinet Planers

CODE WORD—No. 1, ALKMAN
3, ALKO
5, ALKOOF

HESPELER MACHINERY COMPANY,

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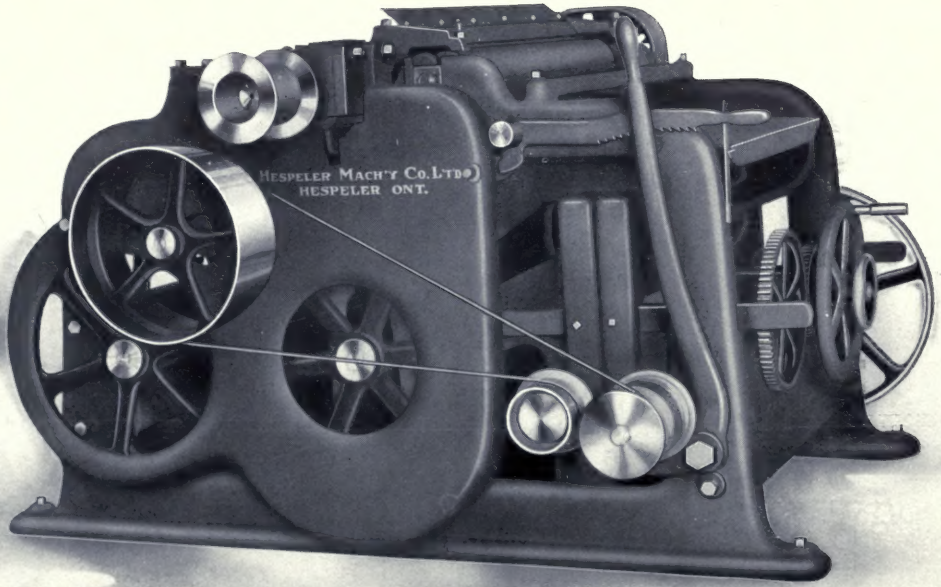
MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER MACH'Y CO. LTD.
HESPELER ONT.

# Improved Heavy Cabinet Planers

The engraving on the opposite page represents our new and improved type of Cabinet Planer. We believe in giving credit where credit is due and in adopting a standard machine of the highest type. We have decided to build the same type of machine that is known throughout the country by the name of Whitney Cabinet Planer and with the exceptions of the extended gear guard to fully cover the gears, and the rounding of the frames is as near as possible identical with the latest patterned American machine.

We are building this machine on the advice of some of the largest Furniture Manufacturers in United States; one especially whose advice was that "irrespective of all other machines manufactured and offered on the American market, this machine stood in a class by itself and that their policy was to buy this class of machinery and forget all about the price as soon as possible as a good machine was cheaper at any price and Furniture Factories by consulting their own interests could not afford to use anything else."

**The General Design** of the machine, as will be noticed is symmetrical and has a finished appearance.

**The Feed** consists of Four rolls 5″ in diameter driven with gears cut from the solid.

**The Cylinder** is made from the best grade of steel and runs in what is generally known as Whitney bearings 2-15 16″ diameter x 10″ long; these bearings can be adjusted in a few seconds so that the wear will be taken up evenly their entire length.

**The Table** it will be noticed is of unusual length being 56″ long, made up in three pieces and is raised and lowered on long wedges on each side. It is adjustable by means of hand wheel clearly shown in the cut, geared up in such manner that a child could raise or lower it, and it is locked in position by a small hand wheel shown on outside of the larger one.

**The Machine** will take any material from ⅛″ to 7″ in thickness, and deliver it clear of the machine.

**The Chipbreaker and Pressure Bar** are of the latest type, working on a circle and admitting of the finest and easiest adjustment.

**The Weights,** it will be noticed, are on the inside of the machine, and situated as to be easily removed and entirely out of the operator's way when working.

**The Gears** are of ample proportion ; are all cut from the solid, and we guarantee every machine to do its work in a satisfactory manner.

**SIZES**

We build these machines in three sizes, viz :

| | | | | | |
|---|---|---|---|---|---|
| No. 1 | being | 48″ | in width. | Weight approximate | 7,500 |
| No. 3 | " | 36″ | " | " " | 6,300 |
| No. 5 | " | 30″ | " | " " | 5,400 |

The No. 3, 36″ machines being generally called for, are at all times in stock or under construction and intending purchasers are invited to examine this machine thoroughly before purchasing.

**Floor Space, Counter Shafts and Speed.** No. 1, 48″ Improved Cabinet Planer, floor space 7 ft. 6″ x 7 ft. 6″. Countershaft 7 ft. 6″ long, x 1-15/16″ diameter. Tight and Loose Pulleys 12″ x 8½″ face and should run 750 R. P. M.

No. 3, 36″ Improved Cabinet Planer, floor space 6 ft. 6″ x 7 ft. 6″, countershaft 6 ft. 6″ long x 1-15/16″ diameter. Tight and Loose Pulleys 12″ diameter x 8½″ face and should run 750 R. P. M.

No. 5, 30″ Improved Cabinet Planer, floor space 6 ft. x 7 ft. 6″, countershaft 6 ft. long x 1-15/16″ diameter. Tight and Loose Pulleys 12″ diameter x 8½″ face and should run 750 R. P. M.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST 1909

# Nos. 11, 13 and 15 Single Surface Planers

CODE WORDS—No. 11, ALLIBRO
No. 13, ALLION
No. 15. ALLIONIS

HESPELER MACHINERY COMPANY,

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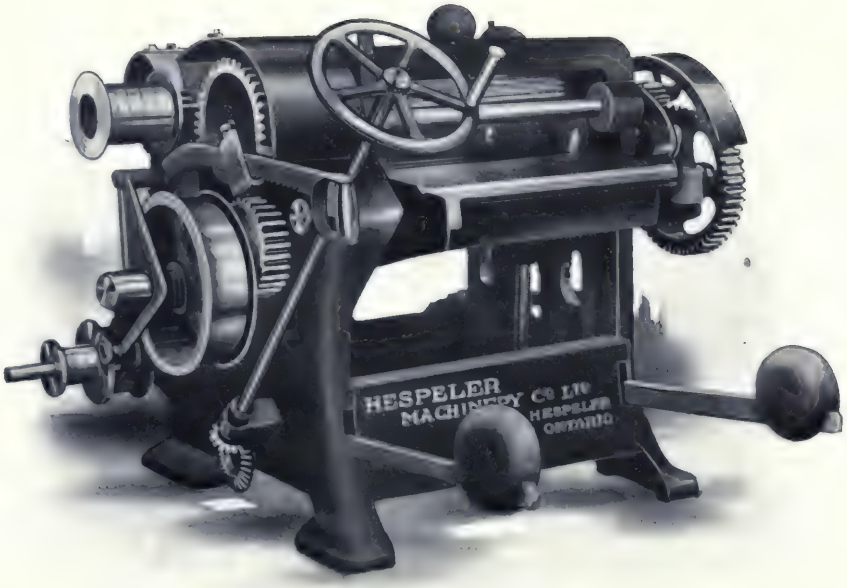
MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER
MACHINERY Co LTD
HESPELER
ONTARIO

# Nos. 11, 13 and 15 Single Surface Planers

The engraving on the opposite page represents one of our standard Surface Planers, which is capable of both rapid and smooth work on any thickness from 1/16″ to 9″.

**The Frame** is of rigid construction, well ribbed and has ample bearing surface on the floor all of which has a tendency to lessen vibration.

**The Bed** is one piece with long bearings gibbed to the frame and adjustable for wear. It is raised and lowered on square threaded screws operated by hand wheel shown in cut.

**The Cylinder Head** is forged from our standard high grade steel, driven on both sides with double flanged, anti-pneumatic pulleys 5″ in diameter and 5½″ face and runs in bearings 1¾″ diameter by 7″ long, lined with the best high speed babbitt metal.

**The Hood** in front of the cylinder forms a chipbreaker and pressure shoe and moves in a circle with the cylinder in the usual manner. It is tapered towards the feeding in end so that in taking heavy cuts the raise is gradual, which at the same time relieves the strain on the hood.

The machine is equipped with a powerful feed operating the belt tightener.

**The Feed Rolls** (four in number) are 3½″ in diameter and all operated by gearing cut from the solid.

**The Countershaft** is separate from the machine and can be placed either above or below, or immediately behind the machine.

The speed of countershaft is 1000 revolutions per minute, giving a cylinder speed of 4000 revolutions per minute.

**This machine is built in three sizes as follows:**

| No. | Capacity | Tight and Loose Pulleys | Floor Space | Horse power required | Approximate shipping weight |
|---|---|---|---|---|---|
| 11 | 20″ x 9″ | 12″ x 6½″ | 5′ x 4′ 8″ | 2 to 4 | 1800 lbs. |
| 13 | 24″ x 9″ | 12″ x 6½″ | 5′ x 5′ | 3 to 5 | 2000 " |
| 15 | 26″ x 9″ | 12″ x 6½″ | 5′ x 5′ 2″ | 3 to 6 | 2200 " |

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST 1909

# No. 17, 19 and 21 Pony Planers

CODE WORDS—No. 17, ADVERB
—No. 19, ADVERBO
—No. 21, ADVERFIT

HESPELER MACHINERY COMPANY.

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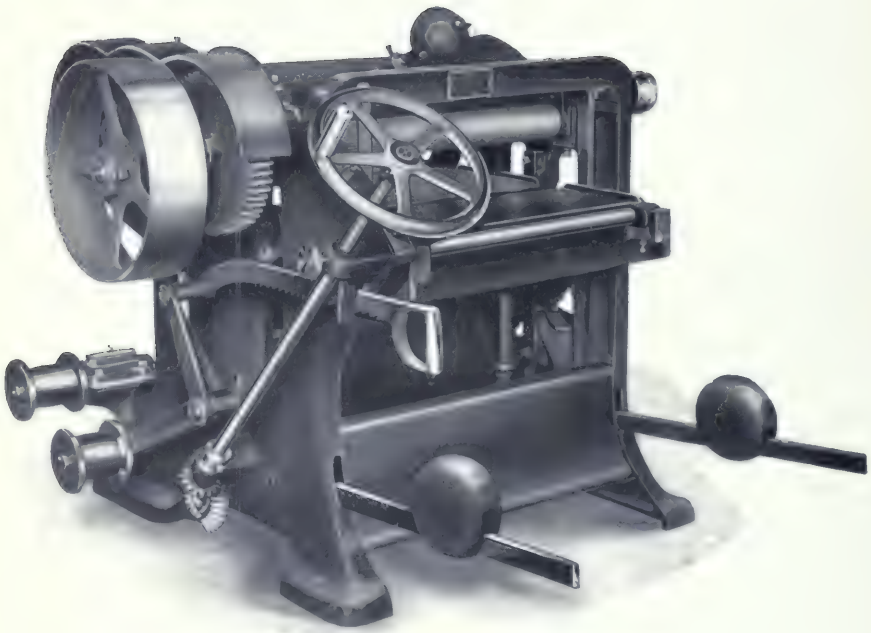
MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 17, 19 and 21 Pony Planers

The engraving on the opposite page represents our No. 17, 19 and 21 Pony Planers, which are made from photographs taken within the last ninety days. These machines are well designed throughout, have ample weight and strength to perform the duties for which they are intended, and are a very suitable machine for jobbing shops, Furniture Factories and small Planing Mills.

**The Cylinder** has exceptionally large bearings, 1¾″ in diameter x 6½″ long; is forged from high grade carbon steel, and is driven from one side by our anti-pneumatic double flange pulleys 5″ x 5½″.

**The Hood** in front of the cylinder forms a Chip Breaker and pressure shoe, and moves in a circle with the cylinder. It is so arranged that in taking heavy cuts the hood raises gradually, which prevents binding or straining, at the same time holding the lumber firmly at the closest point to the knives which necessarily insures good work.

**The Steel Scraper** is attached to the delivery roll to remove gum, shavings and other substances, which have a tendency to mark the lumber.

**The Shaving Guards** to prevent the shavings getting beneath the smooth roller and marking the work is also an important point.

**The Top Rolls** are solid 3″ in diameter and are strongly geared. The bottom rolls are 5″ in diameter, which gives an unusually strong feed.

**The Table** is 39″ long, and the screws for raising and lowering are square threaded type, passing through brass nuts of such proportions that the table raises or lowers ⅛″ to each turn of the handle. The handle for raising and lowering is convenient to the operator, as is also the thickness gauge. A lock is provided to lock the table in its place at any desired thickness within its range.

Speed of countershaft 1000 revolutions per minute, giving speed of cylinder 4000 revolutions per minute.

Belts required for the machine (but not furnished) are:—One feed belt 3″ wide x 6′ 5″ long. One feed belt 2¼″ wide x 7′ long.

**No. 17, Pony Planer** is 24″ x 9″. Floor space 3′ 9″ x 4′ 4″. Horse power required 2 to 4. Tight and Loose Pulleys 10″ x 5½″. Approximate shipping weight 1600 lbs.

**No. 19, Pony Planer** is 20″ x 9″. Floor space 3′ 9″ x 4′. Horse power required 2 to 4. Tight and Loose pulleys 10″ x 5½″. Approximate shipping weight 1450 lbs.

**No. 21, Pony Planer** is 16″ x 9″. Floor space 3′ 9″ x 3′ 8″. Horse power required 2 to 4. Tight and Loose pulleys 10″ x 5½″. Approximate shipping weight 1325 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, etc.

For Bulletins, etc., address


## HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# Nos. 23, 25, 27 and 29 Heavy Single Cylinder Revolving Bed Planer

CODE WORDS—No. 23, ALPHITO
No. 25, ALPHIN
No. 27, ALPHITORUM
No. 29, ALPHORN

HESPELER MACHINERY COMPANY,

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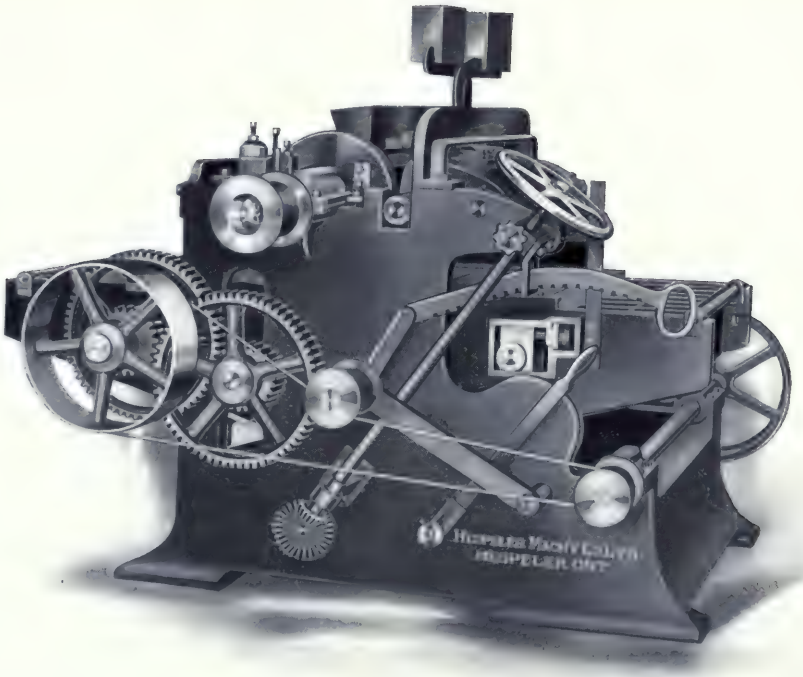
MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# Nos. 23, 25, 27, and 29 Heavy Single Cylinder Revolving Bed Planer

The engraving on the opposite page represents our standard, single cylinder Revolving Bed Surface Planer. The machine is admirably adapted for surfacing in planing mills and for general work. It is of great capacity and a feed that leaves nothing to be desired for handling wet or icy material.

**The Frame** is of rigid construction, well proportioned and of ample weight, properly distributed to carry all working parts without vibration.

**The Table** on which the bed revolves is in one casting with well fitted bearings gibbed to take up wear, and raises and lowers by means of hand wheel shown.

**The Cylinder** is forged from high grade steel, is double belted and carries two knives.

**The Journals** are 1-15/16″ x 10″ and run in self-oiling boxes lined with the best cylinder babbitt.

**The Revolving Bed** is of modern construction, travelling on three bearings and is connected with the best link known to the makers of Wood Tools.

**The Slats** pass under a rib the full length of the bed making it impossible for them to buckle or raise up to meet the knives when planing thin material. The slats are webbed on the underside in such a manner as to prevent sag, often found in machines of similar type.

**All Working Gears** are cut from the solid, which insures an even, smooth feed.

**The Feeding in Rolls** are weighted. The feeding out rolls are adjustable by set screws operated on coil springs.

**The Pressure Bars** embody the latest improvements. The receiving pressure bar, or hood, is very heavy and is hinged to swing clear of the cylinder, giving ready access for sharpening or setting knives. The feeding in side of the hood, or pressure bar, is bevelled so that in taking off heavy cuts the rise is gradual.

**The Table** can be raised or lowered either by power or by hand.

**The Handle** which operates the belt tightener and feed, also the handles and hand wheel for raising and lowering are all convenient to the operator.

These machines are made in two sizes, as follows :—

No. 23 being 24″ x 10″ with plain roll. Floor space 5′ x 5′. Horse power 5 to 7. Approximate shipping weight 3500 lbs.

No. 25 being 24″ x 10″ with divided roll and shoe. Floor space 5′ x 5′. Horse power 5 to 7. Approximate shipping weight 3700 lbs.

No. 27 being 26″ x 10″ with plain roll. Floor space 5′ 2″ x 5′. Horse power 5 to 7. Approximate shipping weight 3700 lbs.

No. 29 being 26″ x 10″ with divided roll and shoe. Floor space 5′ 2″ x 5′. Horse power 5 to 7. Approximate shipping weight 4000 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

Heavy Duty Double Cylinder

# Endless Bed Planer No. 31

CODE WORD—ALPHABET

HESPELER MACHINERY COMPANY,

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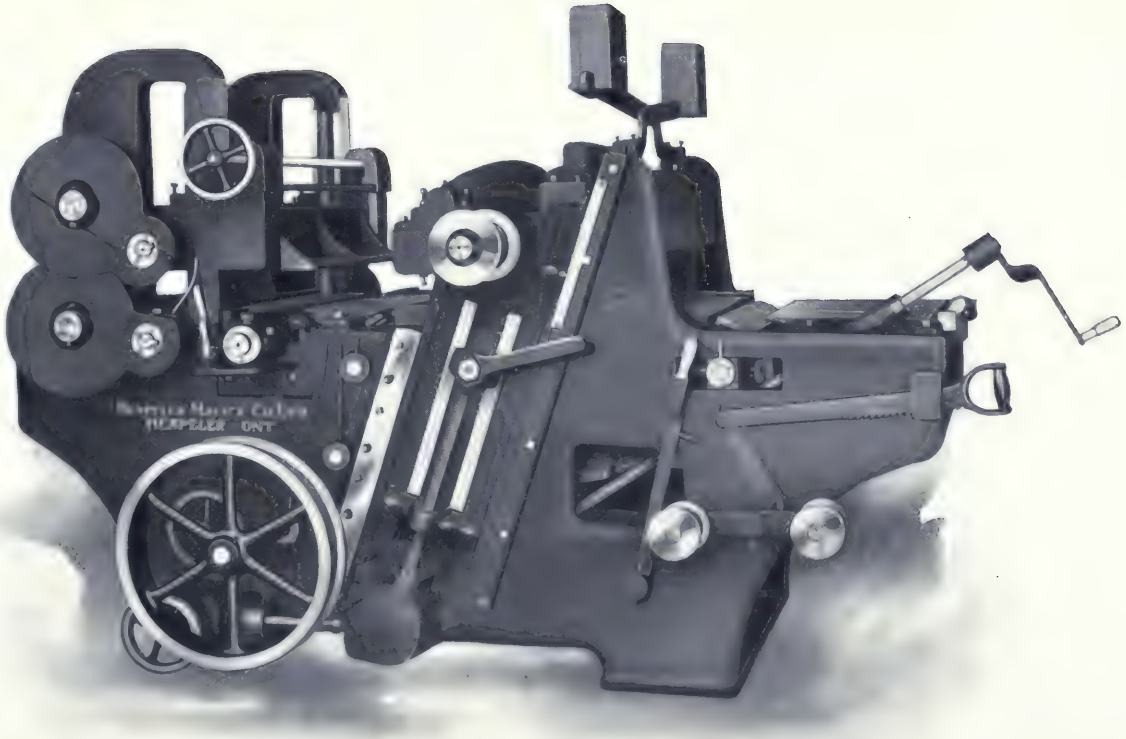
HIGH GRADE WOOD TOOLS



# No. 31 Heavy Duty Double Cylinder Endless Bed Planer

The engraving on the opposite page illustrates a very heavy and substantial machine, guaranteed to stand the heaviest work, having a capacity far beyond the ordinary machine. It is 26″ in width and will take timber 14″ in thickness. All the upper works are so arranged that a cut 1″ thick can be taken by the top cylinder.

All the adjustments are easily and quickly made from the operator's position at the working side, or end of the machine.

**The Frame** is extra heavy and well ribbed, cross-girts are all planed and strongly bolted together, the whole frame being designed so as to ensure the maximum strength and solidity.

**The Cylinders** are made from special high grade steel forgings, same as we use throughout our line of machinery. The cylinders carry four knives and have extended lip chipbreakers. The top cylinder bearings are 2-3 16″ in diameter and 10″ long, the cylinder being driven from both ends. The under cylinder bearings are 2 3 16″ in diameter and 10″ long and 2-3/16″ in diameter and 16″ long on the driven end. Both cylinders are made exactly alike in detail so that the knives are all interchangeable. The under cylinder and bearings are so arranged that they can be drawn out of the machine the full width of the knives to allow for setting and sharpening. They have an independent adjustment for light and heavy cut The top cylinder together with the divided chipbreaker or shoe, divided rolls, pressure plates and after roll are raised and lowered simultaneously by power or hand. The long slides upon which they rest are extra long and heavy and are gibbed in the best possible manner with suitable adjustment to take up wear should any take place.

**The Pressure Bar** over the under cylinder has a fine independent adjustment which allows this to be adjusted to a nicety with the least possible trouble.

The line of the bed is a fixed position, all the upper works moving together, although separate adjustment can be made on any part.

**The Endless Bed** is of heavy construction, having three wide bearings and connected together by the most reliable link in use. The slats of the bed pass under a rib extending over the ends the full length of the bed, making it impossible for the slats to buckle or raise up into the cylinder when working on thin material. The slats are heavily ribbed on the under side in such a manner as to prevent warp or sag after long usage. The delivery rolls are driven by heavy expansion cut gears and they not only relieve the strain on the bed but deliver all lumber clear of the machine.

**All Running Gears** are cut from the solid. All journals are ground absolutely true. The general construction and design of the machine throughout is good; the material is the best that can be procured, and there is nothing superior to it made either in United States or Canada.

**The Countershaft**, which stands immediately behind the machine, is 8′ 6″ over all. The tight and loose pulleys are 14″ x 8½″. The loose pulley being made self-oiling, speed 1000 revolutions per minute, giving a speed of 4000 revolutions per minute on the cylinders. The horse power required to operate it depends somewhat on the work, and would vary from 7 to 12 h. p.

Shipping weight approximate 8300 lbs.

These machines are at all times either in stock or under construction and prospective purchasers can at all times expect reasonably prompt delivery.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE. AUGUST 1909

# No. 50 Planer, Matcher and Moulder Combined

CODE WORD—ABATURI

HESPELER MACHINERY COMPANY,

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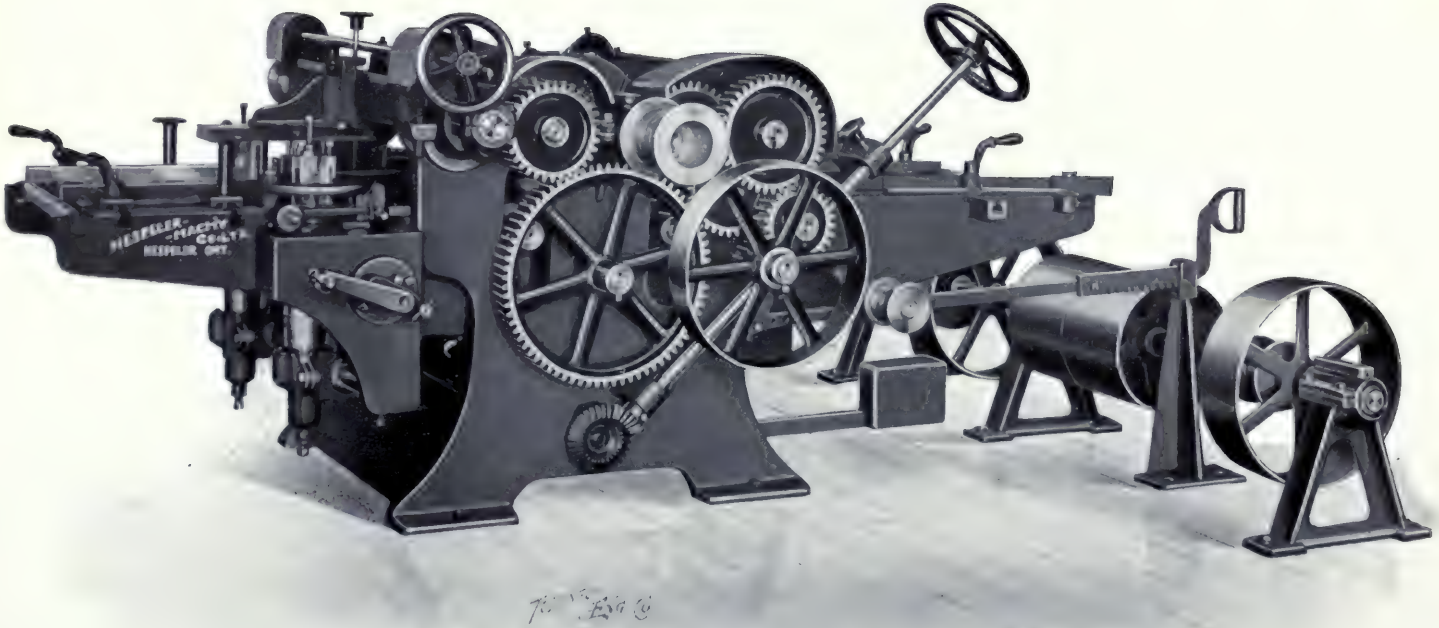
MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER
MACHY
CO. LTD.
HESPELER ONT.

# No. 50 Planer, Matcher and Moulder Combined

The engraving on the opposite page represents a heavy type of Combined Planer, Matcher and Moulder, which is very convenient for small mills and jobbing shops. Out of our numerous patterns we have selected this machine as the only machine of its type we are putting on the market, as while we have call for lighter, and cheaper machines, our experience is that nothing lighter than this machine is of any service, especially as in many cases purchasers lose sight of the weight and the price of the machine, what it was designed for, etc., and are apt to look more at the receiving capacity, which is equal to the largest and most expensive machines and try to do the some class of work at the same rate as a machine costing many times the price would do it. Wherever these machines are used intelligently they are giving good satisfaction and will continue to do so.

**The Frames** are exceptionally heavy, well ribbed and supported in every part where strength is most needed.

**The Cylinder** is forged from a solid bar of our high grade steel, is driven from both ends and runs in large bearings 1-15/16″ in diameter by 10″ in length. The cylinder is fitted on both ends with double flange, pulleys 5″ x 5½″ of anti-pneumatic type.

**The Table** is approximately 8′ 4″ long, is very heavy and well supported with ribs, or cross bars, moves up and down in planed slides by means of square threaded screws, operated in brass nuts, raises or lowers ⅛″ each turn of the hand wheel.

**The Feed Rolls** are 4½″ in diameter and are driven by gearing cut from the solid.

**The Pressure Bar** at the back of cylinder holds the material firmly and is so arranged as not to chip the end of the board.

**The Hood** at the end of the cylinder is of the usual type, forming combined chip breaker and pressure shoe, moves in a circle with the cylinder, is of sufficient weight to hold the material down firmly, and is bevelled on the bottom so that the rise is gradual when heavy cuts are being taken.

**The Matcher Spindles** are made of the best spindle steel 1-7/16″ diameter and are turned down to 1-3/16″ on the top for heads. They run in the best babbitt lined bearings, and the bottom of the spindle rests on bronze step in oil reservoir.

**The Matcher Heads** supplied with this machine are either the ordinary steel matcher heads, or standard side heads slotted on four sides. Shimer heads furnished at an extra price.

**The Moulding.** or beading cylinder is driven from one side only, is solid steel, slotted on four sides, 19″ long and runs in self-oiling bearings 1-15/16″ in diameter x 10″ long. Take-up collars are furnished for taking up of end play.

**This Machine** will surface stock 24″ wide x 9″ thick and will match up 14″ in width. It has four changes of feed varying from 23 to 46 running feet per minute.

**Tight and Loose Pulleys** are 12″ diameter x 6½″ face and should run at rate of 1000 revolutions per minute.

Approximate shipping weight 4100 lbs.

Floor space 8′ 4″ x 5′ 3″.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# Nos. 54 and 56 Single Cylinder Planer and Matchers

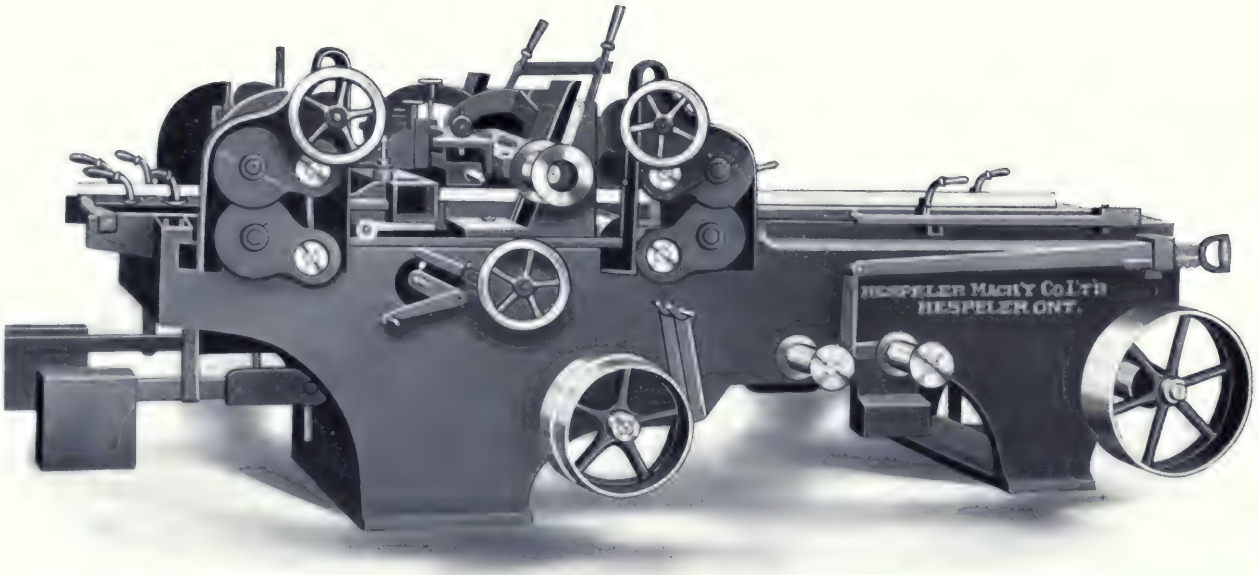
CODE WORDS—No. 54, ACLAM
No. 56, ACIDORUM

HESPELER MACHINERY COMPANY.

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER MACHY Co LTD
HESPELER ONT.

# Nos. 54 and 56 Single Cylinder Planer and Matchers

The engraving on the opposite page represents our No. 56 Planer and Matcher. This machine has a capacity to plane 24″ wide, 7″ thick and matches 18″ wide. It has two changes of feed, 33 and 60 running feet per minute. A careful examination of this machine is sufficient to convince the most sceptical of its superiority over other medium priced machines. It is of good design, heavy enough to meet all requirements within its capacity. It is free from useless trappings ; at the same time it embodies all conveniences and adjustments that are necessary or desirable.

All the adjustments are easily and quickly made and those necessary to change from one class of work to another are all made from the one side of the machine.

**The Cylinder** is forged from high grade steel, carrying two knives and is slotted on opposite sides to knives so that four knives can be used at once, if desired, or special knives for beading, etc., can be used without disturbing the main surfacing knives.

The cylinder runs in heavy bearings 2″ in diameter x 10″ long, fitted to heavy stands cast in one piece and extending across the machine.

The cylinders are driven by double flange anti-pneumatic pulleys fitted to each end of the cylinder, 5″ diameter by 5½″ long. The screws and bevel gears for raising and lowering the cylinder are housed within the cylinder posts to avoid the dirt and dust.

**The Matcher Spindles** are 1¾″ diameter, running in self-oiling boxes, yoked together, while the bottoms of spindles rest on steps in a reservoir filled with oil to prevent heating. They are turned to 1-7/16″ diameter to receive the matcher heads and are adjustable to any part of the bed by means of crank and square threaded screws and are locked firmly in position by one movement of the lever.

**The Feed Rolls** are 6½″ in diameter, mounted on heavy steel shafts running in boxes of ample length. The upper rolls have a parallel lift and are operated by the latest improved expansion gears.

The pressure is obtained by means of weights, which may be increased or decreased at the will of the operator.

**The Chip Breaker** used is our standard chip breaker with all the necessary adjustments, which leaves nothing to be desired.

**The Pressure Bar** between the matcher heads is adjustable in the usual manner, as is also the pressure bar under which the surface product passes.

**The Matcher Heads** are arranged to be locked in place and have the necessary adjustment to take up any wear that may be caused by long use.

**The Hood** or shoe in front of the cylinder is of our usual type and forms both chip breaker and pressure shoe.

With each machine is furnished one pair of knives for cylinder, one pair of standard shimer heads and the necessary wrenches.

**Tight and Loose Pulleys** are 12″ diameter by 8½″ face and should run run 1000 revolutions per minute.

Horse power 6 to 10.

Approximate shipping weight 5,600 lbs.

**OUR NO. 54 SINGLE CYLINDER PLANER AND MATCHER** is similar to the above machine, weighing 4,400 lbs.. fitted with 5″ feed rolls in the place of 6½″ rolls. Planes 24″ wide and 6″ thick and matches 18″ wide. The design throughout is practically the same as No. 56, with the exception of the guards on the expansion gears, which cover only the edges of the gears instead of fully casing them in as shown on No. 56.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE. AUGUST 1909

# No. 58 Single Cylinder Fast Feed Flooring Planer and Matcher

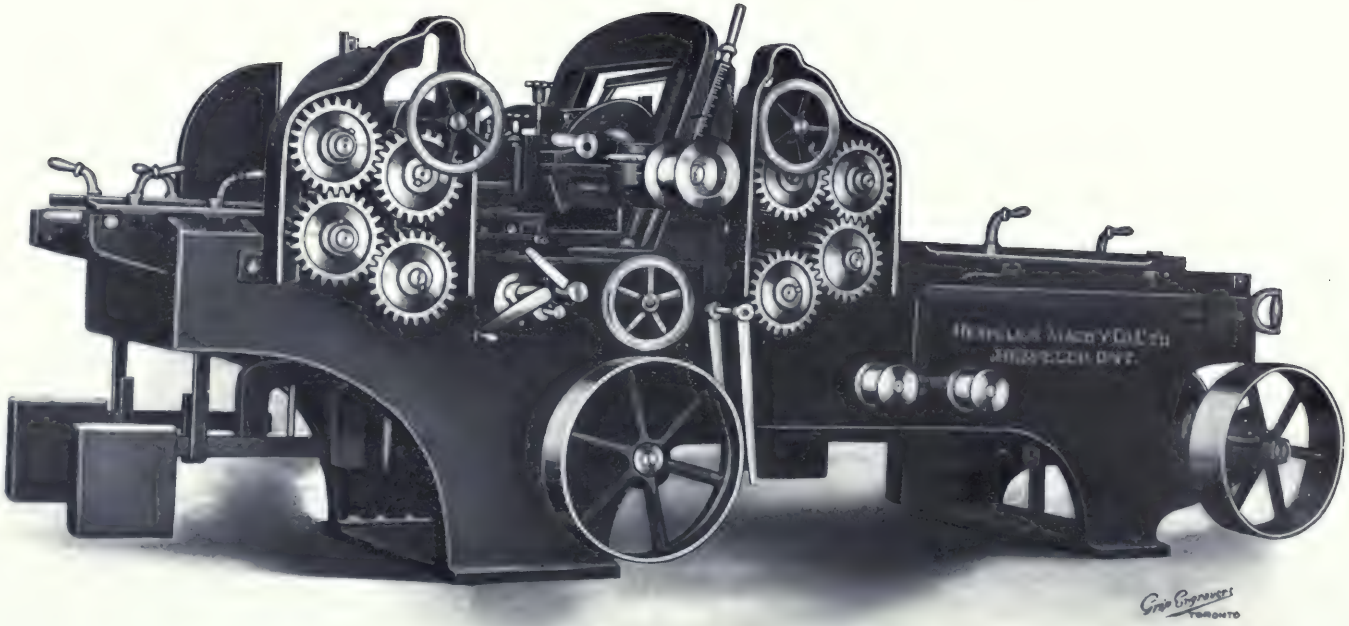
CODE WORD—ADVER

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 58 Single Cylinder Fast Feed Flooring Planer and Matcher

The engraving on the opposite page represents a well known type of machine, many of them have been in use for a number of years, giving very satisfactory results. The machine shown is of more substantial construction than those usually offered and for a medium capacity flooring machine leaves little to be desired.

**The Frames** are extra heavy and well ribbed. All joints planed and bolted together in the usual manner, having extra heavy base rails, which has a tendency to add to its rigidity.

**The Cylinder** is forged from our standard high grade steel, slotted on four sides, carrying four knives 13″ x 3¼″, which run in extra large bearings 2¼″ diameter x 11″ long, which are connected by a heavy yoke, adding strength and firmness. The cylinder is driven from both ends by our standard anti-pneumatic, double flange pulleys 5″ x 5½″. It raises and lowers on planed stands, set at a slight angle as shown. The cylinder can be locked in any position by a movement of one lever, which is operated from a point immediately in front of the gauge.

**Feed Rolls** are 9″ in diameter, and four in number connected by heavy expansion gearing. The rolls are weighted at each end, but by means of a parallel attachment the rise and fall of the roll is parallel at all times independent of where the stock may be fed.

**The Matcher Spindles** are of best spindle steel 1¼″ in diameter, running in self-oiling bearings, while the bottoms of the spindles run on bronze steps in oil reservoir. Spindles unless otherwise ordered are turned on the tops to 1-7/16″ diameter to receive matcher heads. The matcher heads are moveable to any part of the bed and the long guide reaching from the rear end of the table extends the full length and is attached to and moveable with the matcher heads.

**The Improved Chip Breaker** for matcher head is adjustable and of the latest design, as is also the pressure shoe between the matcher head, which enables the work to be held down firmly in place while passing through.

**The Hood**, which covers the cylinder, is arranged in the usual manner so as to form a chip breaker in front of cylinder. The hood is adjustable as is also the pressure bar behind the cylinder, both of which could be moved, if for any purpose it is necessary to swing long knives.

**Each Machine** is furnished with full set of knives, one pair of matcher heads and the necessary wrenches.

**Capacity of Machine.** Will take stock 7″ thick and match up to 13″ wide. Has four changes of feed varying from 45 to 120 running feet per minute.

Floor space 10′ 9″ x 8′.

Horse power required 6 to 10.

Approximate shipping weight, 5800 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE. AUGUST 1909

# No. 83 13-in. and No. 87 12-in. Four Sided Heavy Duty Moulder, on Base

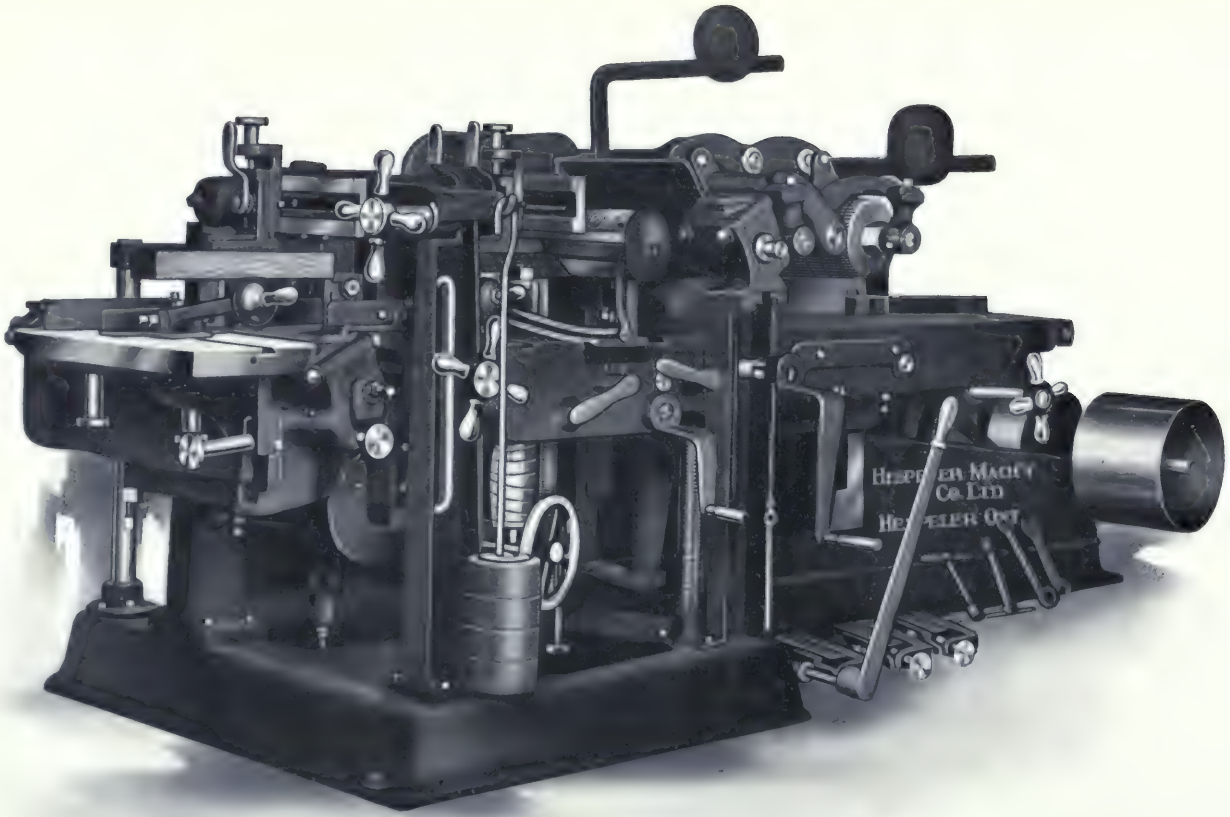
CODE WORD—No. 83. ACYLOS
No. 87. ACQUISTA

HESPELER MACHINERY COMPANY.

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 83 13-inch and No. 87 12-inch Four Sided Heavy Duty Moulder, on Base

The engraving on the opposite page is made from photograph of our latest improved Heavy Duty 13″ by 12″ Moulder, shipped August, 1909. It is without a doubt one of the heaviest and most substantial machines on the market to day. Everything that is necessary for strength and hard continuous work is included in this machine, and all useless trappings are dispensed with.

**The Bed**, it will be noticed, is of massive construction and shapely design, the open part tapering gradually towards the back, or feeding in end of the machine.

**The Frames** are of unusually heavy design planed and bolted for cross girts and where jointed to the base.

**The Feed** is what is known as the down feed, is positive in its action, and has unusual strength, so much so that all ordinary material will pass through the machine without the use of weights on the lever.

**The Feed Rolls** are 7″ in diameter, the upper ones being made up in sections, the pressure being applied directly over the centre, raises and lowers in perfect parallel, feeding as strong at the outer end of the roll as on the inside. Each machine has eight changes of speed varying from 11′ to 50′ per minute.

**All Gears** are cut from the solid, which insures smooth operation and a feed free from vibration.

**The Feed Control** is by levers, one at the feeding in end of the machine and the other at the side of the table in line with the main spindles, as shown.

**The Table** or bed is of ample weight and length, cast in one piece, firmly gibbed to the main frame and is supported on two large square thread screws, the thrust of which is taken up on roller bearings, which simplifies the raising and lowering. The table is locked to the frame in three places.

**The End Table** with bottom head is adjustable on ways, the outer section having another independent adjustment. The end can be swung out of the way for access to the lower knives without disturbing the guides.

**The Spindles** are all extra large and are made of the best refined steel.

**The Bearings** on the upper and lower cylinders (three in number in each case) are what is known as the White's patent type, familiar to all users of modern machinery and leaves nothing to be desired.

All necessary adjustments are provided for on the various heads. Our improved weighted chipbreaker is simple, convenient and durable, and is a great improvement over any of those formerly used.

**The Pressure Bars** it will be noticed, are adjustable, easy of access, and can be locked firmly in place. The one over the lower cylinder being weighted to prevent vibration.

The feeding in end is provided with spring roller, which can be instantly adjusted to accommodate any width.

**For Rear View of Machine see Bulletin No. 87**
**Moulder on Base.**

**Tight and Loose Pulleys** 12″ diameter x 8½″ face.

Speed 900 revolutions per minute.

Horse power 8 to 10. No. 83. Capacity 13 x 12. Approximate shipping weight 7500 lbs.

No. 87. Capacity 12 x 12. Approximate shipping weight 7200 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE. AUGUST, 1909

# No. 91 10-in. Four Sided Heavy Duty Moulder, on Base

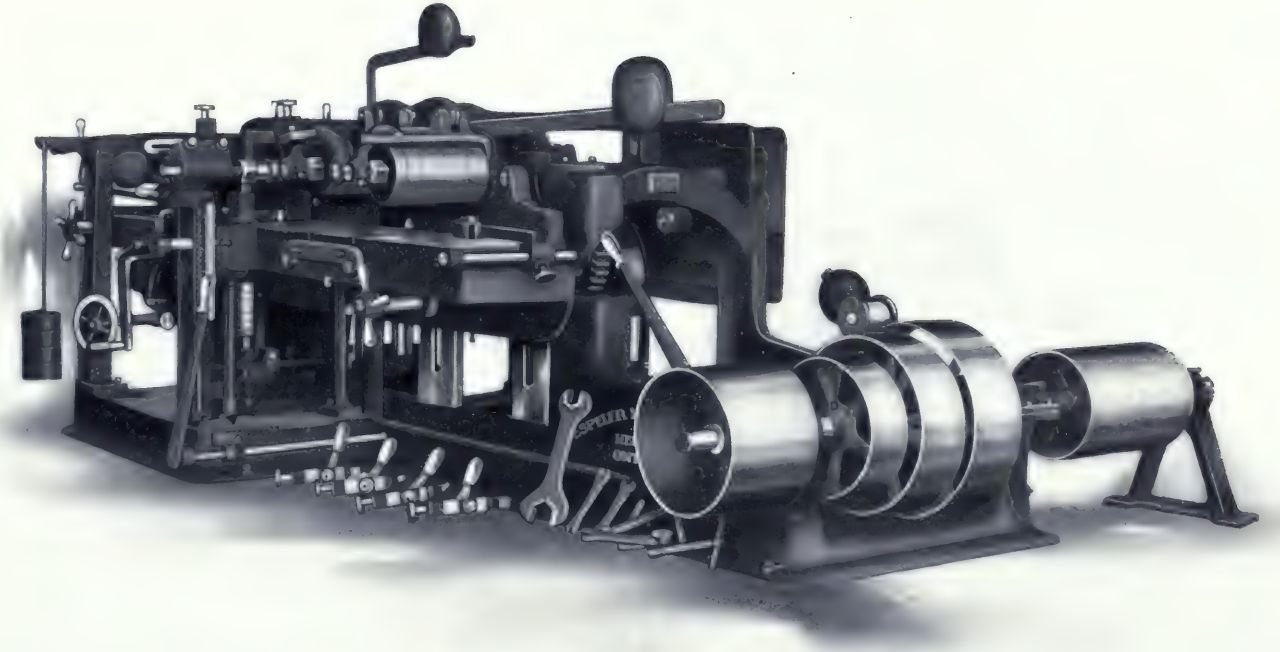
CODE WORD—ACRUPE

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 91 10-in. Four Sided Heavy Duty Moulder, on Base

The engraving on the opposite page shows rear view of our latest 16″ four sided Moulder, heavy duty Moulder on base. For front view see bulletin No. 83 and 87 Heavy Duty Moulder, on base.

It is without a doubt one of the heaviest and most substantial machines on the market to-day. Everything that is necessary for strength and hard continuous work is included in this machine and all useless trappings are dispensed with.

**The Bed,** it will be noticed is of massive construction and shapely design, and the opening part tapering gradually towards the back, or feeding in end of the machine.

**The Frames** are of unusually heavy design, planed and bolted for cross girts where jointed to the base.

**The Feed** is what is known as the down feed, is positive in its action and has unusual strength, so much so that all ordinary material will pass through the machine without the use of weights on the lever.

**The Feed Rolls** are 7″ in diameter, the upper ones being made up in sections, the pressure being applied directly over the centre, raises and lowers in perfect parallel; feeding as strong at the outer end of the roll as on the inside. This machine has eight changes of feed varying from 11 to 50′ per minute.

**All Gears** are cut from the solid, which insures smooth operation and a feed free from vibration.

**The Feed Control** is by levers, one at the feeding in end of the machine and the other at the side of the table in line with the main spindles as shown.

**The Table or Bed** is of ample weight and length, cast in one piece, firmly gibbed to the main frame and is supported on two large square thread screws, the thrust of which is taken up on roller bearings, which simplifies the raising and lowering. The table is locked to the frame in three places. The end table with bottom head is adjustable on ways, the outer section having another independent adjustment. The end can be swung out of the way for access to the lower knives without disturbing the guides.

**The Spindles** are all extra large and are made of the best refined steel.

**The Bearings** on the upper and lower cylinders (three in number in each case) are what is known as the White's patent type, familiar to all users of modern machinery and leaves nothing to be desired.

All necessary adjustments are provided for on the various heads. Our improved weighted chipbreaker is simple, convenient and durable and is a great improvement over any of those formerly used.

**The Pressure Bars,** it will be noticed are adjustable, easy of access and can be locked firmly in position. The one over the lower cylinder being weighted to prevent vibration.

**The Feeding** in end is provided with spring roller, which can be instantly adjusted to accomodate any width.

**Tight and Loose Pulleys** are 12″ diameter by 8½″ face.

Speed 900 revolutions per minute.

Horse Power 8 to 10. Capacity 10″ x 12″.

Approximate shipping weight 6700 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST 1909

# No. 111, 8 in. x 16 in. Four-Sided Moulder

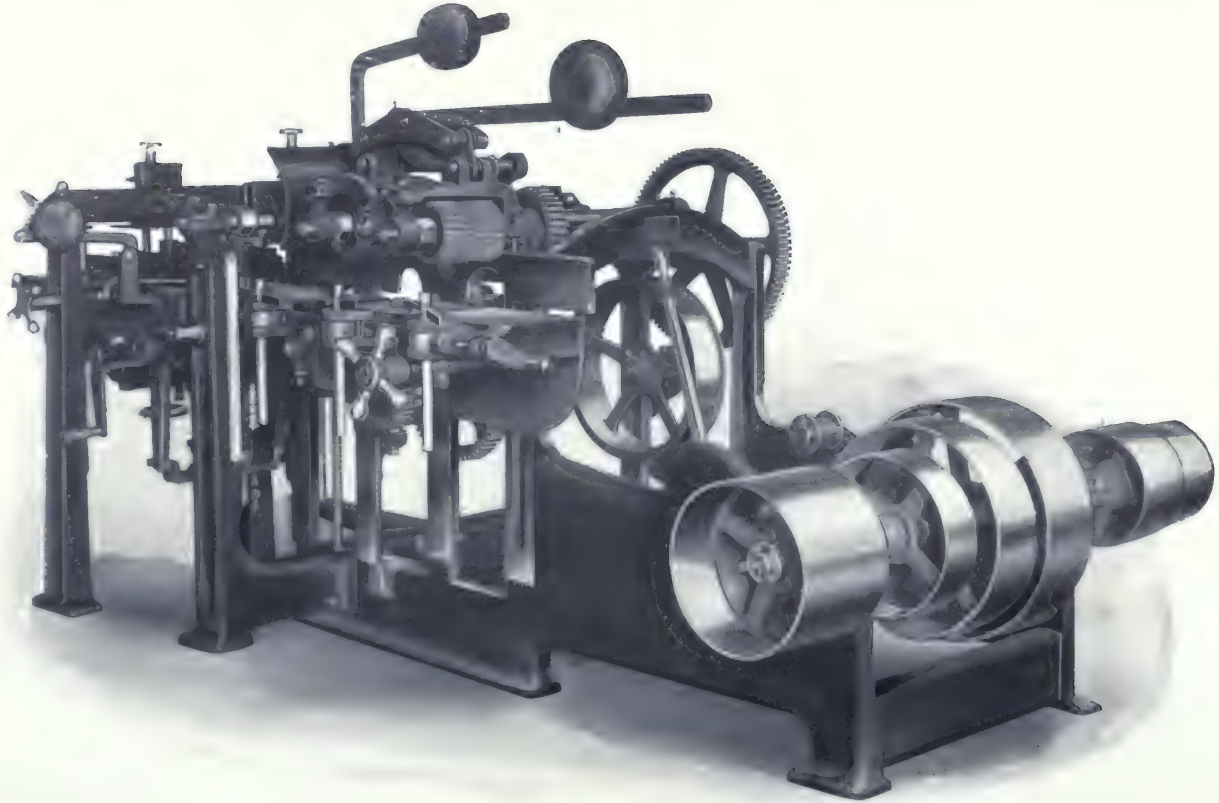
CODE WORD ALPIGENO

HESPELER MACHINERY COMPANY.

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 111, 8″ x 16″ Four-Sided Moulder

The machine represented on the opposite page is the newest machine in its class, the engraving being made from photographs taken within the last ninety days. We have spared no expense in bringing this machine up to its present point of efficiency, and we have no hesitation in saying that we believe it to be superior to anything of its type offered.

**The Frame** is substantial and strong, doing away with any tendency to twisting usually found in machines of this size. It is machined and bolted together in such a way that the bearings are kept in perfect alignment. It is provided with heavy column in the front of the machine, which is a substantial support for the table, under head, etc. The outside bearing for the support of top arbor extends to the floor line, is planed and firmly bolted to the main frame, and is locked and bolted through the machine and table from side to side.

**The Feed** consists of Four 5″ rolls, two top and two bottom, all driven by our superior system of gearing, the motion being continuous and strong at any position of the table. It is simple and not liable to get out of order, and is controlled by a tightener locked in a position convenient to the operator.

**The Arbors** are of large diameter running in large bearings provided with oil space. The top bearing being 1¾″ in diameter, bottom bearing 1⅝″ in diameter, and the side head bearings are 1½″ in diameter.

**The Top Head** has a lateral adjustment, and the bottom head has lateral and vertical adjustment, both controlled by a wheel placed convenient to the operator.

**The Under Head** has an outside bearing extending outside the driving pulley, making three bearings in all in the bottom cylinder.

**Side Heads** raise and lower with the table in the usual manner, and have also independent vertical adjustment. Both inside and outside spindles can be adjusted while in operation and set at an angle. The inside head is free from all trappings and easy of access. There is ample space to permit of the using of all ordinary bits on almost any kind of work.

**The Chip Breaker** is of the weighted type and is adjustable, but for all ordinary work it will not require adjusting and moves backwards and forwards with cutter head and is always ready for work.

**The Guide Springs** are adjustable by simply turning the handle, both guides moving together.

**The Shoe or Bonnet** is adjustable to and from the head, or can be swung clear out of the way giving access to the knives.

**The Main Table,** or bed, is well gibbed to the frame, and is raised and lowered on a large screw of the square thread type resting on ball bearings, and will drop 16″ below the cutting surface of the top cylinder.

**The End Table** and the bottom head are adjustable on the ways, the extreme outer section of the table having independent vertical adjustment, the whole arranged so that it is swung out of the way for access to the head without disturbing the guides.

**Drive Pulleys** both on top and bottom cylinders, and side heads are of the anti-pneumatic type.

**Tight and Loose Pulleys** are 10″ in diameter x 5½″ face, and should run at 900 revolutions per minute. Horse power required 4 to 6. Floor space 5′ 4″ x 5′ 4″. Approximate shipping weight 2700 lbs.

We aim to carry these machines in stock at all times.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, etc.

For Bulletins, etc., address


## HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST 1909

# No. 117, 6 in. x 16 in. Four-Sided Moulder

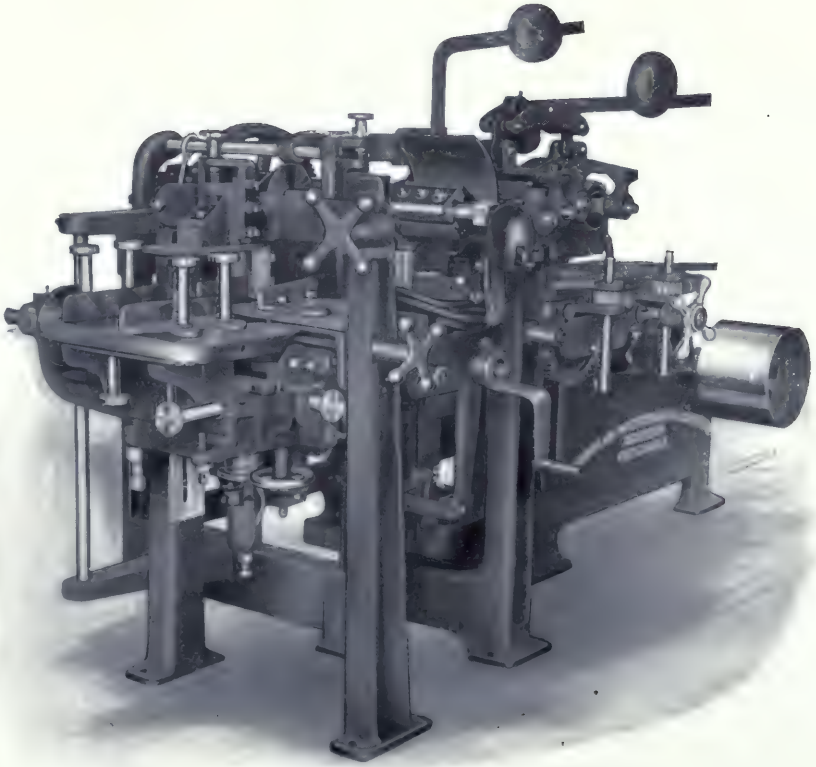
CODE WORD—ALPINAM

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 117, 6″ x 16″ Four-Sided Moulder

The machine represented by the engraving on the opposite page is the newest machine in its class; the engraving being made from photographs taken within the last ninety days. We have spared no expense in bringing this machine up to its present point of efficiency, and we have no hesitation in saying that we believe it to be superior to anything of its type offered.

**The Frame** is substantial and strong, doing away with any tendency to twisting usually found in machines of this size. It is machined and bolted together in such a way that the bearings are kept in perfect alignment. It is provided with heavy column in the front of the machine, which is a substantial support for the table, under head, etc. The outside bearing for the support of top arbor extends to the floor line, is planed and firmly bolted to the main frame, and is locked and bolted through the machine and table from side to side.

**The Feed** consists of four 5″ rolls, two top and two bottom, all driven by our superior system of gearing, the motion being continuous and strong at any position of the table. It is simple and not liable to get out of order, and is controlled by a tightener located in a position convenient to the operator.

**The Arbors** are of large diameter running in large bearings provided with oil space. The top bearing being 1¾″ in diameter, bottom bearing 1 ⅝″ in diameter, and the side head bearings are 1½″ in diameter.

**The Top Head** has a lateral adjustment, and the bottom head has lateral and vertical adjustment, both controlled by a wheel placed convenient to the operator.

**The Under Head** has an outside bearing extending outside the driving pulley, making three bearings in all on the bottom cylinder.

**Side Heads** raise and lower with the table in the usual manner, and have also independent vertical adjustment. Both inside and outside spindles can be adjusted while in operation and set at an angle The inside head is free from all trapping and easy of access. There is ample space to permit of the using of all ordinary bits on almost any kind of work.

**The Chip Breaker** is of the weighted type and is adjustable, but for all ordinary work it will not require adjusting, and moves backwards and forwards with cutter head, and is always ready for work.

**The Guide Springs** are adjustable by simply turning the handles, both guides moving together.

**The Shoe or Bonnet** is adjustable to and from the head, or can be swung clear out of the way, giving easy access to the knives.

**The Main Table**, or bed, is well gibbed to the frame, is raised and lowered on large screws of the square thread type resting on ball bearings, and will drop 16″ below the cutting surface of the top cylinder.

**The End Table** and the bottom head are adjustable on the ways, the extreme outer section of the table having independent vertical adjustment, the whole arranged so that it is swung out of the way of access to the head without disturbing the guides.

**Drive Pulleys** both on top and bottom cylinders, and side heads are of the anti-pneumatic type.

**Tight and Loose Pulleys** are 10″ diameter x 5½″ face, and should run at 900 revolutions per minute. Horse power required, 3 to 5. Floor space, 8′ 6″ x 5′. Approximate shipping weight 2200 lbs.

We also build this machine three-sided when required calling it our No. 115, but we would strongly advise customers against purchasing Three-Sided Moulders as they are so seldom called for, and in the event of a change at a later date they are practically dead stock.

We carry No. 117 Moulders in stock, and when not in stock, we always have them nearing completion, so that customers can expect shipment of these machines within a week from receipt of order.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, etc.

For Bulletins, etc., address


## HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 130 and 132 New Style Jointers

CODE WORD—No. 130, ARRA
132, ARBET

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS

# No. 130 and 132 New Style Jointers

The engraving on the opposite page shows our improved Buzz Planer and Jointer.

**The Frame and Bearings** (three in number) are all cast in one piece, supported on three feet, making an exceptionally solid and rigid machine.

**The Tables** are planed perfectly true and do not overhang the frame and are supported in the four corners by adjustable wedge blocks, each block capable of independent adjustment.

**The Cylinder** is of high grade steel, four-sided, being slotted on two sides to allow moulding knives, or miseellaneous cutters to be used without disturbing the main or surfacing knives.

**The Adjustable Fence** is attached to the rear of outfeeding table, coming down flush with same. The fence can be changed to any bevel, or can be moved across the table to any width.

**The Eccentric** under the front, or working table, allows the table to tilt perfectly parallel for hollow or glue jointing, allowing the back table to remain undisturbed, always true to receive the work. Both tables can be drawn away from the cutter head on a level, independent of the inclined ways, leaving an opening about 7″.

**The Bearings** are unusually long (three in number) which adds considerably to the life of the machine and makes repairs almost unnecessary.

This machine is made in two sizes. No. 130 Jointer 12″ wide. Floor space 7′ 2″ x 3′ 2″. Tight and loose pulleys on countershaft 8″ x 4½″. Speed 1000 revolutions per minute. Approximate shipping weight 1200 pounds.

No. 132 Jointer 16″ wide. Floor space 7′ 2″ x 3′ 6″. Tight and loose pulleys on countershaft 9″ x 5″. Speed 1000 revolutions per minute. Approximate shipping weight 1500 pounds.

For 20″ and 24″ Jointers see bulletins No. 134 and 136.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, etc.

For Bulletins, etc., address


HESPELER MACHINERY COMPANY

LIMITED

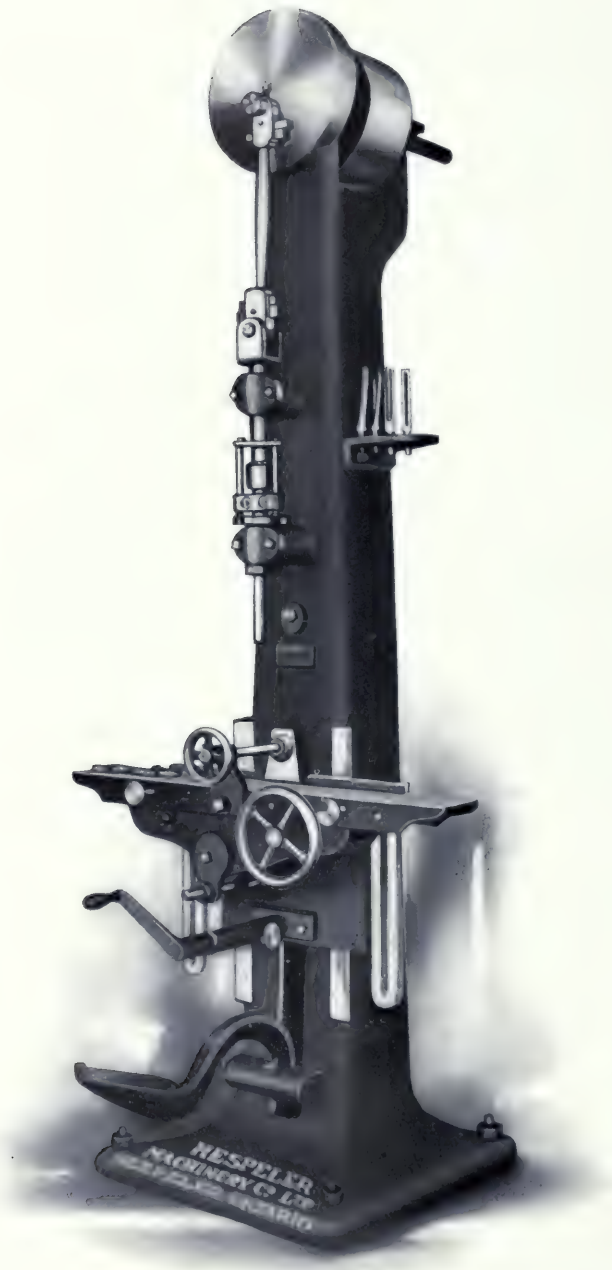
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# Nos. 151 and 153 New Style Mortisers

CODE WORD—No. 151, ABSOLE
No. 153, ABOSTING

HESPELER MACHINERY COMPANY
LIMITED
MANUFACTURERS OF
HIGH GRADE WOOD TOOLS


NESPELER
MACHINERY CO. LTD

# Nos. 151 and 153 New Style Mortisers

The machine shown on the opposite page is our new design Power Mortiser, which will no doubt appeal to those who are looking for a strong serviceable machine of good proportion and sightly design.

**The Frame** is cast in one piece and is of sufficient weight and strength for all ordinary work. It has a cored base made in such a manner as to set rigidly on the floor, and is a great improvement over the old style flat based machines.

**The Table** is long and compound, and is adjustable to and from the chisel to suit the position of the mortise. Can also be adjusted for angle mortising and will drop to even 12″ stock and mortise to the centre of 6″. The table is brought up to the chisel by foot treadle, thus reducing the strain on the chisel spindle The treadle is compounded and table can be raised and lowered with the minimum desirable pressure.

**The Connecting Rods** are made of steel with brass bushing and steel crank pin.

**The Spindle** is supplied with Automatic Spindle Guide and Chisel Reverser, which holds the spindle in position without the use of keys or set screws and reverses the chisel by the action of the table in its downward travel.

Each machine is furnished with six chisels, viz., 5/16″, 3/8″, 7/16″, 1/2″ 5/8″, 3/4″.

**The Tight and Loose Pulleys** which run between bearings are 12″ x 3¼″ and should run 550 revolutions per minute.

Floor space 4′ x 3′ 5″.

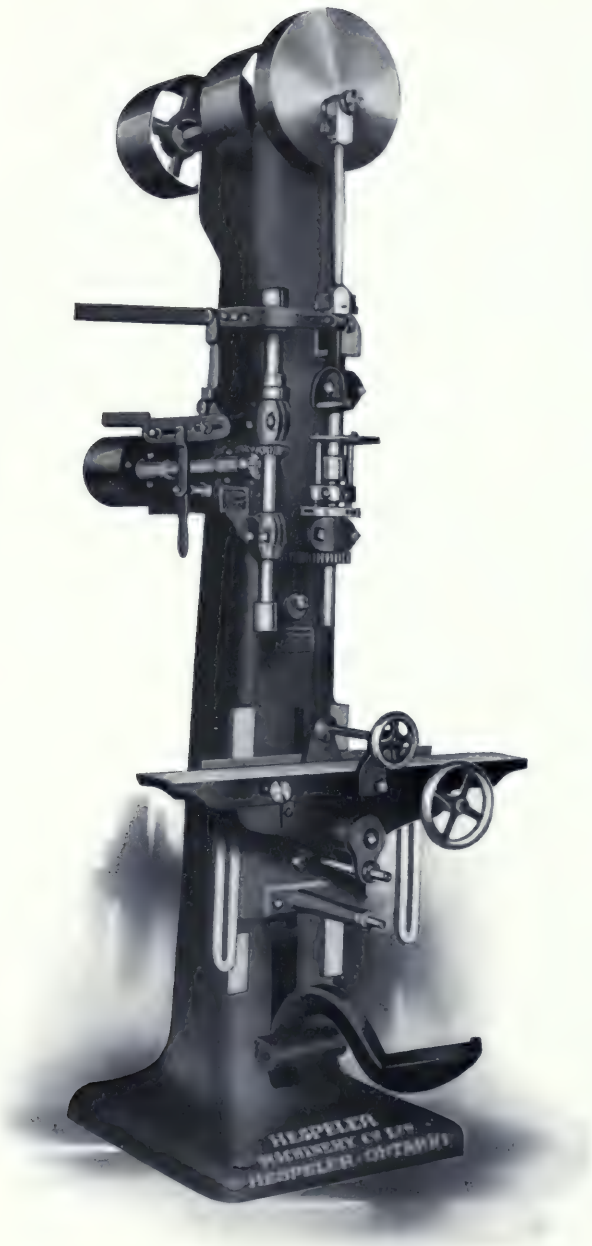
The approximate shipping weight is 1500 lbs.

We also make this machine with Boring Attachment as shown on the following page, calling it our No. 153 Mortiser. It is the same as our No. 151, but with Boring Attachment fastened to the sides, driven from a tight pulley shown on the cut at the back of the machine. With this machine six boring bits proper diameter, are furnished to suit the chisels.

Weight of machine 1700 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA


HESPELER
MACHINERY CO. LTD.
HESPELER, ONTARIO

FIRST ISSUE, AUGUST, 1909

# No. 161 Latest Improved Tenon Machine

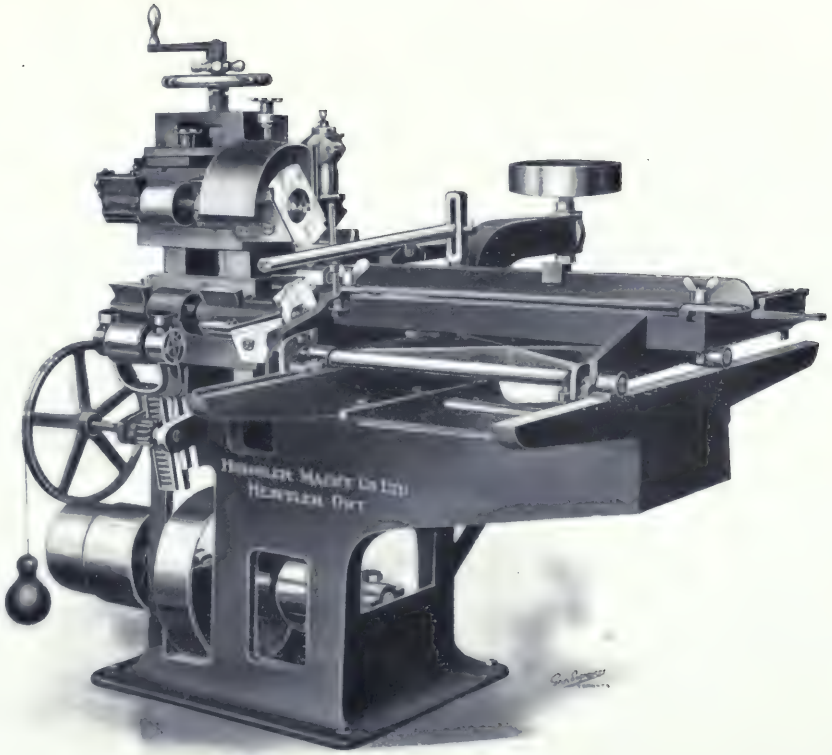
CODE WORD—AMECHT

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 161 Latest Improved Tenon Machine

The illustration on the opposite page represents our No. 161 Tenoning Machine with double copes. The good points of it will be readily appreciated by those who are familiar with this class of machinery.

There is sufficient weight in this machine for all ordinary purposes and it is not our intention to load our customers with surplus cast iron unless the same is essential and where it will increase the efficiency of the machine.

**The Heads** are of the latest pattern carefully balanced and capable of running at the highest necessary speed.

It will cut at one operation 5¼" long and 17" wide, or in two operations 8½" long x 17" wide.

**The Top Headstock** has horizontal adjustment to allow the shoulders on the tenon to be cut even or uneven distances from the end. Both headstocks can be moved up and down independently, or if desired can be moved together without changing the thickness of the tenon which we believe is a unique feature of this machine.

**Both Cope Heads** adjust with the main headstock, each head having an independent horizontal and vertical adjustment.

**The Table** is an improved combination roller table which moves with the greatest of ease. It is perfectly secured to the ways with safety gib and stops so that it cannot be thrown accidentally into the knives. It is rigid and will wear true. It has a positive hold-down convenient and instantly operated enabling the shortest pieces to be held firmly in place. A guard and wiper is supplied to prevent dirt accumulating on the ways thereby avoiding poor tenons.

**This machine is made in several styles as follows:**

No. 161 Tenoner with double copes. Floor space 6' 6" x 7' 5". Tight and Loose Pulleys 10" x 5½" and should run 750 revolutions per minute. Speed of heads 3000 revolutions per minute. Speed of cope head 3600 revolutions per minute. Approximate shipping weight 1500 lbs.

No. 163 Tenon Machine with double copes and Cut-off saw at rear. Floor space 6 ft. 6" x 7 ft. 5". Tight and Loose Pulleys 10" x 5½" and should run 750 revolutions per minute. Speed of heads 3000 revolutions per minute. Speed of cope heads 3600 revolutions per minute. Approximate shipping weight 1575 lbs.

No. 165 Tenon Machine with single cope. Floor space 6 ft. 6″ x 7 ft. 5″. Tight and Loose Pulleys 10″ x 5½″ and should run 750 revolutions per minute. Speed of heads 3000 revolutions per minute. Speed of cope heads 3600 revolutions per minute. Approximate shipping weight 1450 lbs.

No. 167 Tenon Machine with Cut-off saw (no copes) Floor space 6 ft. 6″ x 6 ft. 5″. Tight and Loose Pulleys 10″ x 5½″ and should run 750 revolutions per minute. Speed of heads 3000 revolutions per minute. Approximate shipping weight 1350 lbs.

No. 169 Tenon Machine without copes or saw. Floor space 6 ft. 6″ x 6 ft. 6″. Tight and Loose Pulleys 10″ x 5½″ and should run 750 revolutions per minute. Speed of heads 3000 revolutions per minute. Approximate shipping weight 1300 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

LIMITED

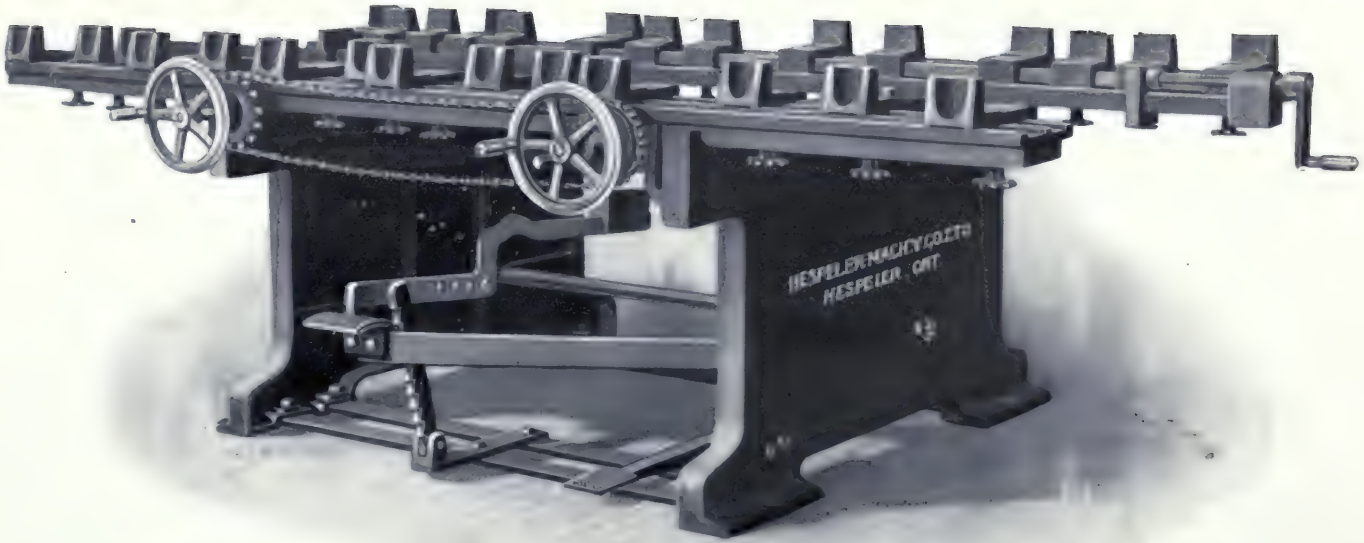
HESPELER, ONTARIO, CANADA

FIRST ISSUE. AUGUST 1909

# No. 179 Single Motion Door and Blind Clamp, and No. 181 Combined Door and Sash Clamp

CODE WORDS—No. 179. AMIDWARD
No. 181. APANDILLO

HESPELER MACHINERY COMPANY.
LIMITED
MANUFACTURERS OF
HIGH GRADE WOOD TOOLS


HESPELER MACHY CO. LTD
HESPELER, ONT.

# No. 179 Single Motion Door and Blind Clamp, and No. 181 Combined Door and Sash Clamp

The engraving on the opposite page represents our heavy Single Motion Door Clamp, which we make with and without sash attachment.

The machine, it will be noticed, is of exceptionally heavy construction, which is absolutely essential in machines for this purpose. Our experience has been that it is impossible to build these too strong and we have decided to make this our standard machine, discarding the cheaper and lighter patterns of machinery.

**The Sides** are exceptionally heavy and well supported at the points where the strength is most needed.

**The Top of Machine** has two receiving rails which carry the moveable clamps, so fitted that they can be moved instantly to any part of the rail desired. All that is necessary to operate the machine is to force down the foot treadle and adjust the end screws to the pressure desired.

**This Machine** is so arranged that the greatest pressure is applied with the foot treadle when the joint is nearly closed, which gives the greatest power when the greatest resistance is to be overcome. At the same time it practically locks the clamps until such time as the door is wedged, when it can be released by touching the supplementary treadle shown on the right hand side of the machine, when the rails automatically spring open.

Shipping weight of No. 179 Single Motion Door and Blind Clamp is approximately 2175 lbs.

Approximate shipping weight of No. 181 Combined Door and Sash Clamp is 2325 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**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In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 190 Double Spindle Upright Shaping Machine

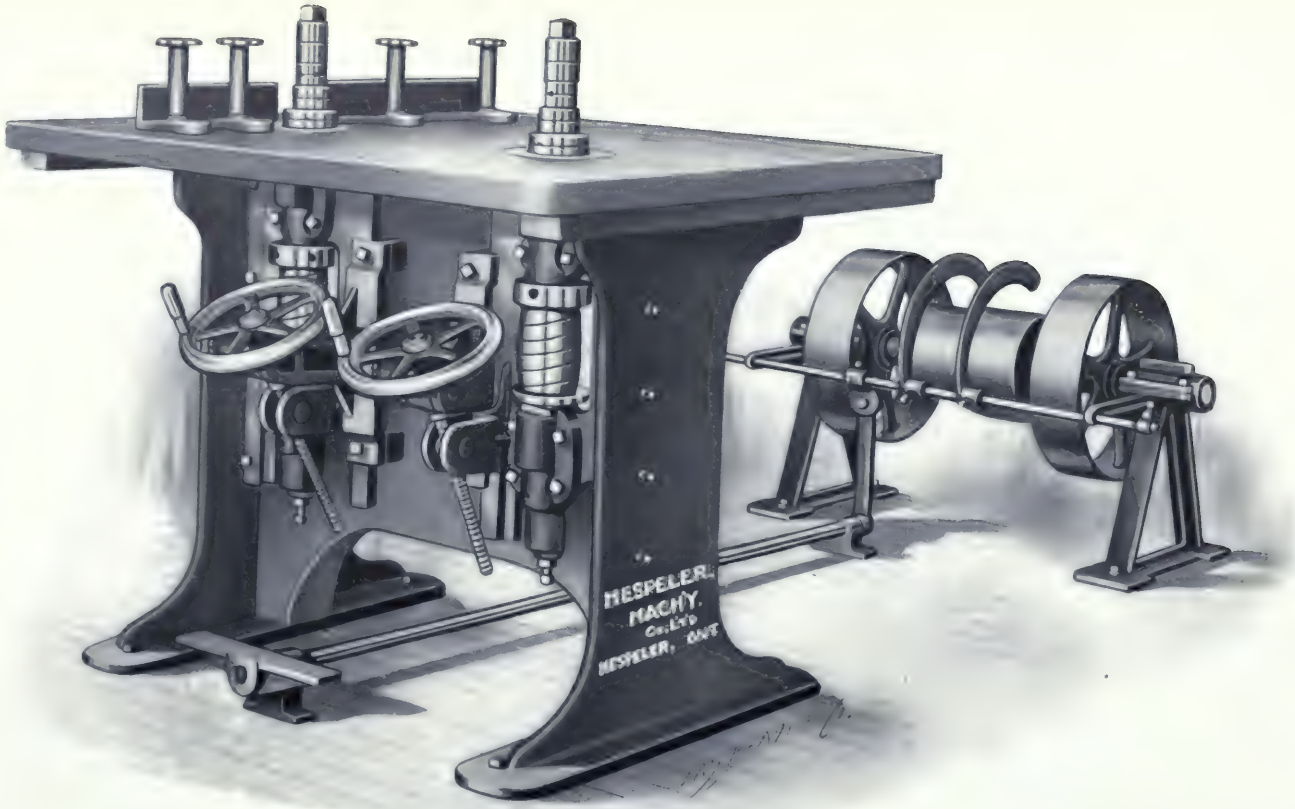
CODE WORD—AMPLIANT

HESPELER MACHINERY COMPANY

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER
MACH'Y.
CO. LTD
HESPELER, ONT.

# No. 190 Double Spindle Upright Shaping Machine

The engraving on the opposite page represents our No. 190 Double Spindle Upright Shaping Machine, a large number of which are being operated at the present time.

**The Frame** is cast in one piece with broad floor base, has sufficient strength for all general purposes.

**The Table** is 38″ wide by 44″ long and is provided with removable centre plates surrounding spindles.

**The Spindle Frames** are 20″ centres and are carefully fitted to dovetail ways on the frame and have gibs to take up the wear.

**The Bearings** are 1¾″ diameter by 6″ long and connected by yokes and lined with high grade babbitt. They are adjustable for wear and have improved self-oiling steps.

**The Spindle Pulleys** on this machine are all the standard anti-pneumatic pulleys, double flanged to prevent oil coming in contact with the belt.

**The Countershaft** is of modern design. The stands, boxes and belt shifting device all complete and as shown in the cut, can be started and stopped from the front of the machine.

**The Collars** are supplied as follows; four collars 3½′ dia., four collars 2½″ dia, four collars 2″ diameter, also four filling up collars, making sixteen in all supplied with each machine.

**The Spindles** are so arranged that either of them can be dropped below the table.

**Tight and Loose Pulleys** are 9″ diameter by 5″ face and should run from 900 to 1100 revolutions per minute, giving a spindle speed of 4000 to 5000 revolutions per minute. Floor space 38″ x 44″. Horse power 2 to 4. Approximate shipping weight 1500 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
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HESPELER, ONTARIO, CANADA

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 192 Double Spindle Shaping Machine

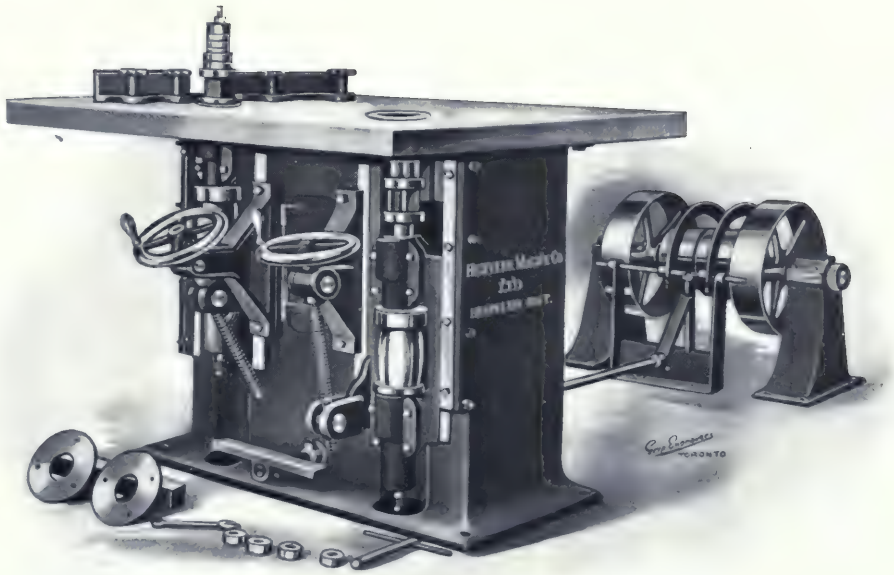
CODE WORD—ABSAL

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 192 Double Spindle Shaping Machine

The engraving on the opposite page represents one of our modern Shapers of the box type.

**The Frame** is a substantial box casting in one piece with cored centre of sufficient weight and strength for all necessary purposes and of sufficient width to be accessible to all working parts.

**The Spindles** are of the finest steel 2″ in diameter, 22″ centres, running in bearings 6″ long, which are connected by yoke to the lower bearings which contain self-oiling steps. The top part of the spindle is 1¼″ diameter, threaded for nut to bind collars holding knives.

**The Iron Table** is 39″ by 52″, planed perfectly true and has openings for rings 7″ in diameter.

**The Spindle Pulleys** are our standard anti-pneumatic double flanged to protect the belt from oil.

**The Collars** are furnished as follows :—Four collars 1½″ diameter. Four collars 2½″ diameter. Four collars 2″ diameter. Also four filling up collars, making 16 in all with each machine.

**The Countershaft and Belt Shifter** are of our latest pattern. The latter, it will be noticed, can be operated from the front of the machine. Both spindles can be dropped below the surface of the table (as shown in the cut) when desired.

**Tight and Loose Pulleys** 9″ diameter by 5″ face and should run from 900 to 1100 revolutions per minute, giving spindle speed of 4000 to 5000 revolutions per minute.

Floor space 4′ by 3′ 2″.

Horse power, 2 to 4.

Approximate shipping weight 1600 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
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In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 194 Heavy Double Spindle Shaper

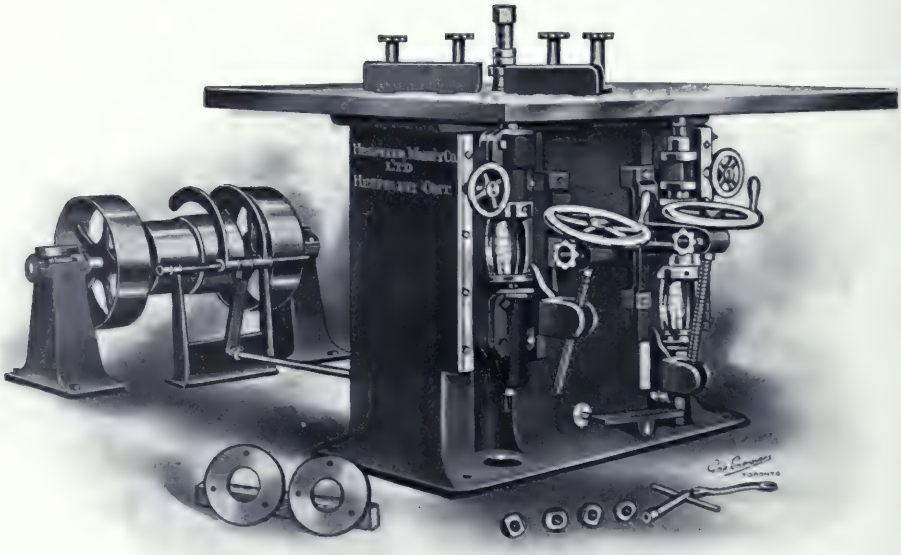
CODE WORD—ADACIL

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 194 Heavy Double Spindle Shaper

The engraving on the opposite page represents one of our heaviest types of Shapers in use. This machine is especially designed for furniture factories, or large planing mills where steady continuous operation is required.

**The Frame** is of the heavy box pattern, cast in one piece, of extra width and weight, insuring at all times against any possibility of springing the bracket seats, while the inside is used for wrench racks, tools, etc.

**The Spindles** are of the finest steel 2″ in diameter, 24″ centres. The main bearings are 7″ long and are connected by a heavy yoke, and are dovetailed together into the main frame and held in place by gibs on the outer side in the usual manner. The bearings are exceptionally heavy and strong, enabling the machine to be operated at from 6,000 to 7,000 R. P. M. without the slightest vibration. The top part of the spindle is turned down to 1¼″ diameter and threaded for nut in the usual manner, and either spindle can be dropped below the surface of the table when required.

**The Iron Table** is 40″ x 56″, is planed perfectly true and has opening for rings 7″ in diameter. Two sets of rings are supplied with each machine.

**The Spindle Pulleys** are our standard anti-pneumatic, double flanged to protect the belts from oil.

**Hand Wheels** for adjusting screws are most convenient to the operator.

The following Collars are furnished :—Four collars, 3½″ diameter ; four collars, 2½″ diameter ; four collars 2″ diameter, to hold knives ; and four filling up collars, making sixteen in all supplied with each machine.

**The Countershaft and Belt Shifter** are of the latest pattern, and it will be noticed the former is operated from the front of the machine.

**Tight and Loose Pulleys** 10″ diameter by 5½″ face and should run 1100 to 1200 R. P. M. giving a spindle speed of from 5000 to 6000 R. P. M. floor space 4′ 8″ x 3′ x 4″. Horse Power 3 to 5. Approximate shipping weight 1820 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**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HESPELER, ONTARIO, CANADA

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 200 and 202 Extra Heavy Variable Self-Feed Rip Saws

HESPELER MACHINERY COMPANY,

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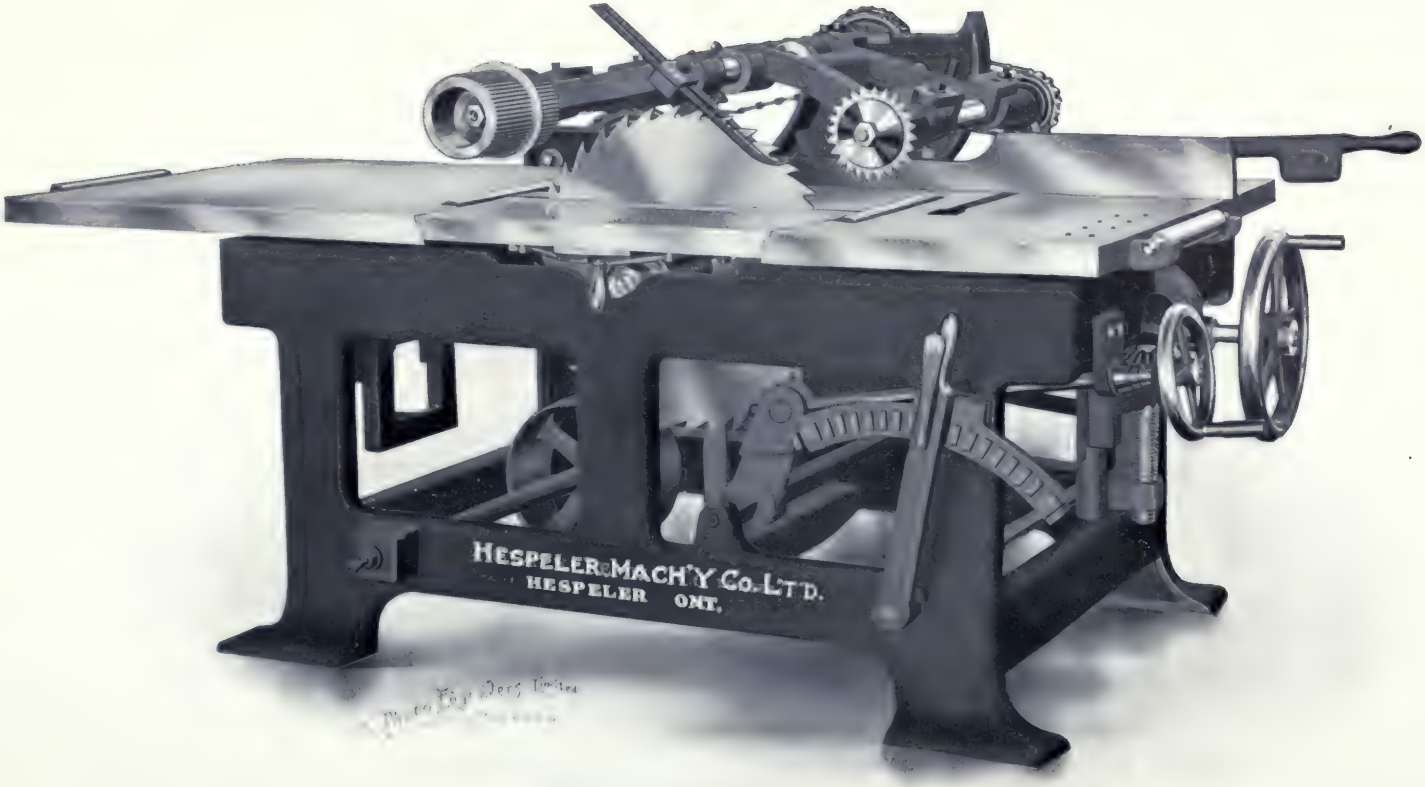
HIGH GRADE WOOD TOOLS


HESPELER MACH'Y CO. LTD.
HESPELER ONT.

# No. 200 and 202 Extra Heavy Variable Self-feed Rip Saws

The engraving on the opposite page represents our heaviest type of Self Feed Rip Saw which is in successful operation in many of the larger plants at the present time.

It embodies all the conveniences and adjustments that are necessary or desirable for any kind of ripping within the capacity of the machine, having ample power both on the saw and in the feed works, for any reasonable demand, at the same time having an exceptionally heavy frame and table, which makes it on the whole the most reliable machine for heavy ripping of this size there is offered to-day.

**The Saw Spindle** is of high grade steel, 2-3/16″ diameter, reduced to 1½″ outside the collar for reception of the saw. It is supported in three heavy self-oiling bearings, lined with high speed babbitt, and is furnished with a set of filling up collars so that several saws can be used at one time if necessary.

**The Variable Feed** can be instantly changed by the operator from 0 to 200 feet per minute, simply by shifting the lever as shown on the side of the machine. This can be done while the saw is in operation so that changing from one class of material to the other does not affect the continuous operation of the machine.

**The Table** is perfectly smooth and true, is 78″ long x 40″ wide, has a sliding throat on the front of the saw which is locked by lever shown, and can be instantly withdrawn to accommodate more saws.

**The Table**, as is shown, is raised and lowered parallel by the hand wheel shown, operating two 1½″ square thread screws. The table is perfectly rigid at all points and free from vibration. Adjustable friction rollers are placed in table before and after saw as shown, also one on the front and rear end of the table, making four in all.

**The Fence** is the most improved type and one of the valuable features of the machine. It is thoroughly reliable, quickly adjusted, only one handle being used for releasing and moving. The fence has an adjustment whereby it can be set exactly in line with the saw and is so arranged that it can be set to give clearance at the rear end if desired. An index table shows the distance it is set from the saw.

This machine will rip stock 18″ wide with a saw on the inside, or if the saw is set on the outer end of the mandril will rip stock 23″ wide.

A 22″ saw is furnished with the machine and will rip stock 7″ thick.

When required siding and re-sawing attachments are furnished to go with these machines at a small additional cost, and whether ordered or not all tables are bored as shown on cut so that they can be bolted on later, if desired.

Any one requiring an extra heavy machine for hard, continuous work would do well to investigate this machine.

**Tight and Loose Pulleys** 12″ x 8½″ and should run 830 revolutions per minute, giving approximate speed of saw 2000 revolutions per minute.

Approximate shipping weight 3000 lbs.

For customers not requiring such a heavy saw we can supply our No. 202 Extra Heavy Variable Self Feed Rip Saw which is practically of the same design as the illustration, raises and lowers the same, has the same fence, same adjustments. The table dimensions, however, are 60″ x 40″ and will drop for a cut of 6″.

This machine will carry a 20″ saw and cut stock 6″ thick x 18″ wide, or if saw is placed on the outer end collars, 23″ wide. It is also furnished with re-sawing attachment when required.

**Tight and Loose Pulleys** 12″ x 8½″ and should run 800 revolutions per minute, giving a speed of saw approximately 2000 revolutions per minute.

Shipping weight approximately 2400 lbs.

Horse power 4 to 6.

One feed belt 5″ wide by 6′ 1″ long.

Floor space 7′ 6″ by 5′ 3″.

For special short work see bulletin No. 204 Self Feed Rip Saw.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 204 Special Variable Self Feed Rip Saw

CODE WORD—ABOSTIC

HESPELER MACHINERY COMPANY,

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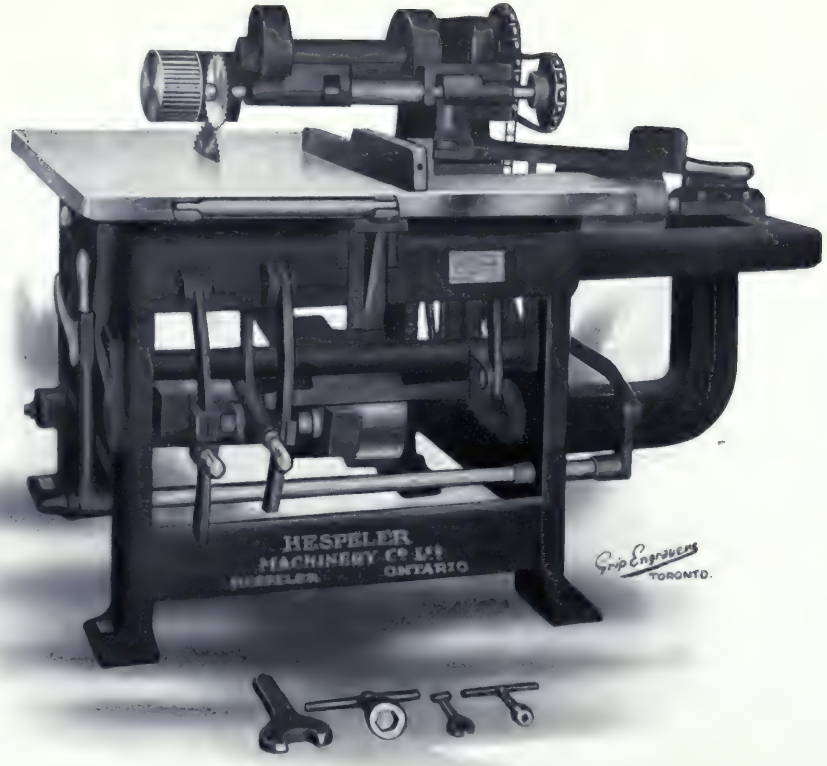
MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER
MACHINERY CO. LTD
HESPELER ONTARIO
Grip Engravers
TORONTO.

# No. 204 Special Variable Self Feed Rip Saw

The illustration on the opposite page represents our No. 204 Special Variable Self Feed Rip Saw, which is specially designed for handling short material.

**The Frame** is of heavy construction, of sufficient weight to take care of all the necessary strain.

**The Table** is made of iron, planed true, and is well braced on under side, both length and cross ways, and has four (4) anti-friction rollers for the material to pass over before and after leaving the saw. The size of the table is 5′ long and 3′ 4″ wide, and will drop for a cut of 4″.

**The Saw Spindle** is heavy, running in self-oiling bearings, 1-15/16″ x 8″. It is turned down to 1½″ where the saws go on the spindle. It is provided with multiple collars, permitting a number of saws to be placed at any desired distance from each other. This will permit of ripping stock from 18″ to 23″ wide. Saws up to 20″ in diameter can be used.

It will be noticed that the feed works are set closer together than the ordinary saw, having 11¾″ centres, so that material as short as 12″ can be handled successfully.

**The Main Table** has a sliding section, which can be instantly withdrawn where more than one saw is used at a time. The table is counterbalanced by weights which permits of a very quick adjustment.

Spindle pulley 8″ diameter x 8″ face.

Floor space 4′ 6″ x 5′ 2″.

**Tight and Loose Pulleys** 12″ diameter x 8½″ face and should run 800 revolutions per minnte.

Speed of spindle 2000 revolutions per minute.

Approximate shipping weight of machine 2400 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
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HESPELER, ONTARIO, CANADA

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
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HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 206 Dimension Saw Table

CODE WORD—ABORSO

HESPELER MACHINERY COMPANY,

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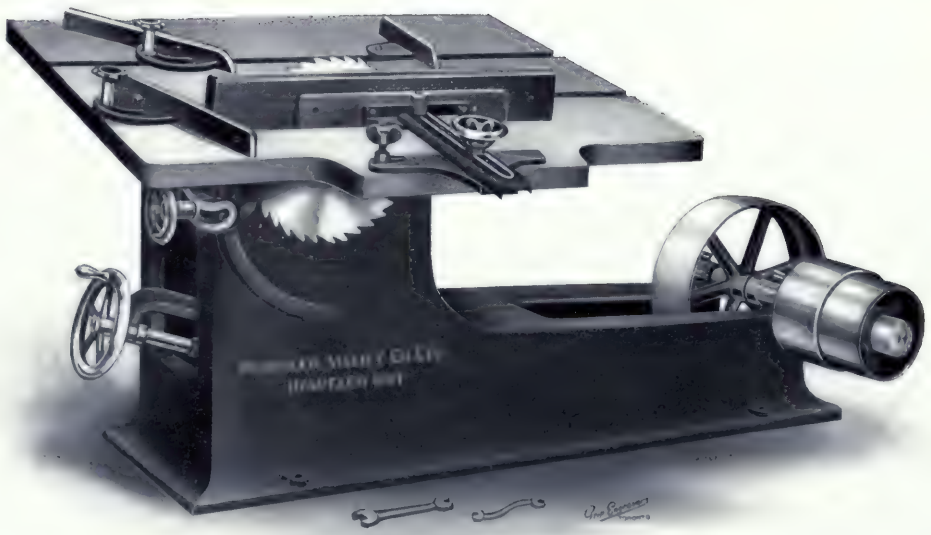

# No. 206 Dimension Saw Table

The illustration on the opposite page shows one of our standard tools, many of which are in operation, all of which are giving excellent satisfaction.

As shown, the frame is cast in one piece in such a manner as to combine weight and strength where required, without being cumbersome or unsightly.

**The Saw** has a vertical adjustment, while the table may be tilted at 45 degrees.

**The Table** is 48″ x 40″, substantially ribbed and has grooves lengthwise in table, as shown, for the cross-cut and mitre fences. Degree marks are cut in front radius indicating angle of table while being tilted. The arbor is of the best steel, 1-7/16″ diameter, and runs in self-oiling babbit lined bearings.

Four gauges are supplied with each machine, viz.: One right and one left for bevelling or mitreing, one for squaring and one for ripping.

**The Bearings** are connected and fitted to dovetailed, inclined frame with suitable gibs for taking up the wear.

**The Saw** can be instantly adjusted to suit the various thicknesses of material by means of hand wheel shown, the incline being arranged to such an angle that no variation in the length of the belt is required.

**The Ripping Fence**, or gauge, is clamped to the table and can be adjusted to allow material up to 21″ in width to pass between it and the saw. The fence requires no cross slots in the surface of the table to keep it in line with the saw, or if desired it can be set at a slight angle.

**Tight and Loose Pulleys** are 10″ x 5″ face, and should run 640 revolutions per minute.

Length of belt 12′ 10″ x 5″ wide.

Speed of saw 2560 revolutions per minute.

One 16″ saw is furnished with each machine.

Shipping weight approximately 1400 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
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HESPELER, ONTARIO, CANADA

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 208 Combination Rip and Cross-cut Variety Saw

## WITH IRON TILTING TABLE

HESPELER MACHINERY COMPANY,

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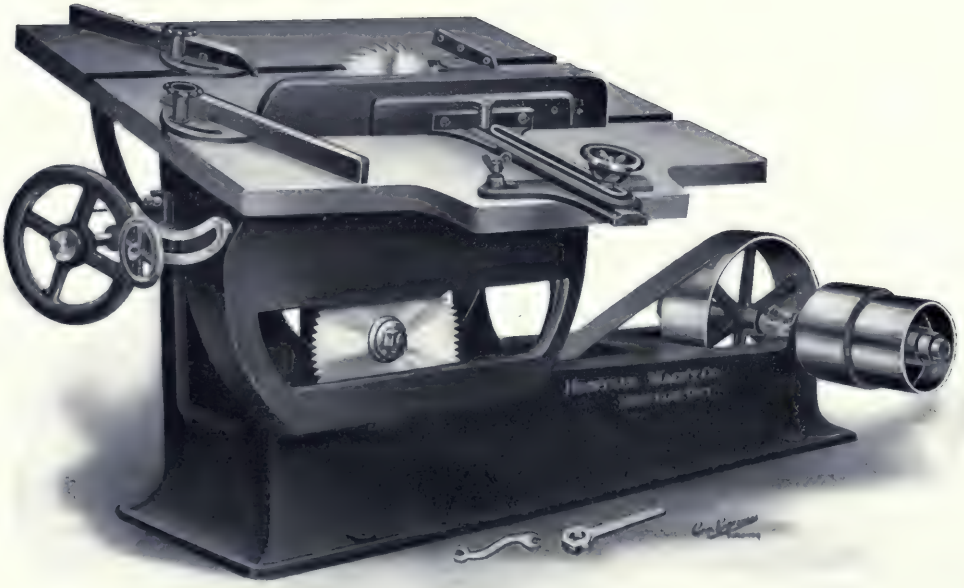

# No. 208 Combination Rip and Cross-cut Variety Saw With Iron Tilting Table.

The machine illustrated on the opposite page is of a type too well known to require a lengthy description.

**The Frame**, you will notice is cast in one piece having ample strength for all requirements.

To change from one saw to the other, all that is required is 4½ turns of the hand wheel shown, which makes it the handiest equipped Rip and Cross-cut Saw in general use.

**The Machine** is fitted with a double Belt Tightener, which keeps the belt taunt irrespective of the position of the saws.

**The Table** tilts to an angle of 45 degrees and is 48″ x 40″, is substantially ribbed, has grooves lengthwise for the cross-cut and mitre fences. The front radius is graduated showing the degrees of the table at all times. The arbor is of standard spindle steel and the collars are fitted with cone bushings.

Two (2) 16″ diameter saws are furnished with each machine.

Four (4) Gauges are supplied, one right and one left for bevelling and mitreing, one for squaring and one for ripping.

**The Ripping Fence or Gauge** is clamped to the table and can be adjusted to any width up to 21″. No cross slots in the table are required in order to keep the fence in line with the saw.

**Tight and Loose Pulleys** are 10″ x 5½″ and should run 650 revolutions per minute.

Speed of saw, 2900 to 3000 revolutions per minute.

Approximate weight of machine, 1700 lbs.

Floor space, 7′ x 4′ 5″.

Horse Power, 2 to 5.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, etc.

For Bulletins, etc., address


HESPELER MACHINERY COMPANY

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HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST 1909

# No. 210 Rip and Cross-cut Saw Table

CODE WORD—ALWET

HESPELER MACHINERY COMPANY,

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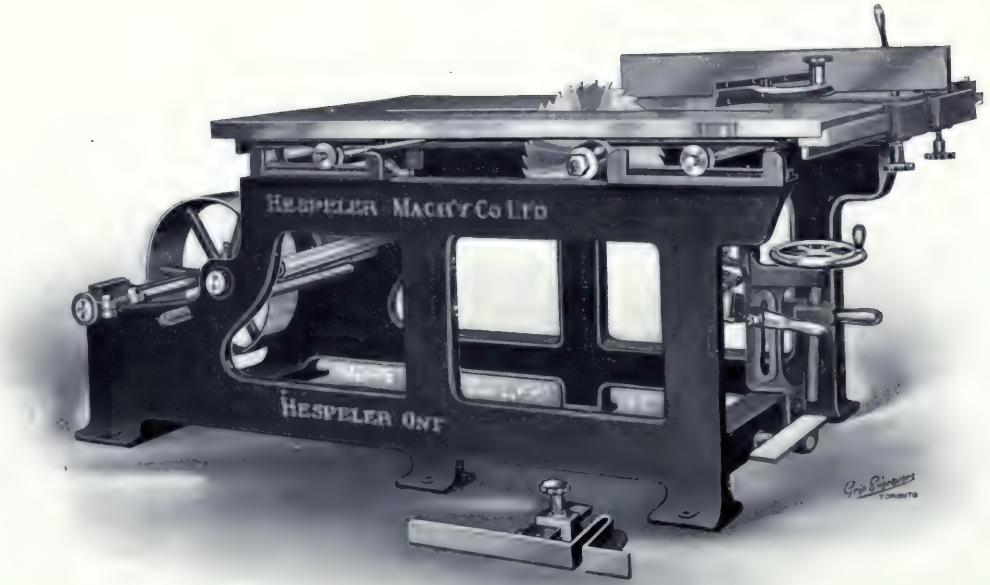
HIGH GRADE WOOD TOOLS


HESPELER MACH'Y CO LTD
HESPELER ONT

# No. 210 Rip and Cross-cut Saw Table

The illustration on the opposite page represents one of our standard saw tables, of a type that meets with the approval of furniture and cabinet makers throughout Canada and United States.

As will be noticed the travelling table is mounted on anti-friction rollers, travels 22" and runs with the utmost ease and accuracy.

**The Table** is made of wood laid up in narrow strips and glued in the usual manner, securely fastened to a heavy iron girt to prevent warping.

**The Arbor** is fitted with self-oiling boxes and cone bushing accommodating saws from 1⅛" to 1¼" bore.

**All Bearings** are adjustable for wear.

**A Ripping Gauge** is supplied which will tilt 45 degrees and is easily set to and from the saw.

**The Locking Device** is complete and entirely satisfactory.

**The Mitre Gauge** is attached to the table and can be used on either side of the saw.

**The Cutting-off Gauge** is recessed, allowing the saw to pass beyond its front face, so as to cut the wood entirely off, and is adjustable to square it with the saw.

The machine can be started and stopped by the use of a foot treadle shown on cut.

**Tight and Loose Pulleys** 10" x 5½" and should run 650 revolutions per minute.

Speed of saw from 2900 to 3000 revolutions per minute.

Horse power 2 to 3.

Approximate shipping weight 1200 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST 1909

# No. 212 Improved Roller Table Cut-off Saw

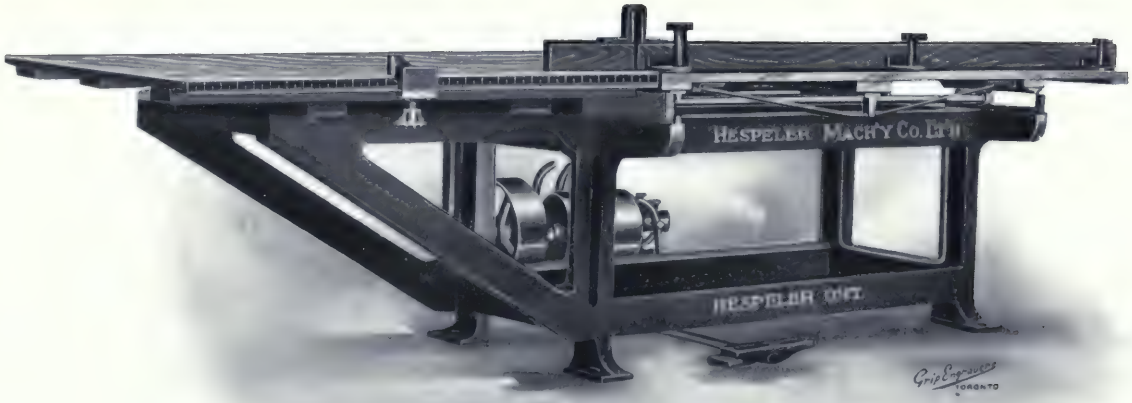
CODE WORD—212, ALTORUM
214, ALTRA

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER MACH'Y CO. LTD
HESPELER ONT.
TORONTO

# No. 212 Improved Roller Table Cut-off Saw

The machine illustrated on the opposite page is of new and modern design, and is meeting with the approval of many recent customers who have purchased from us. It is especially designed for use in box, furniture, sash and door factories, and is a very convenient and useful machine for parties having a large quantity of cutting off to do.

**The Frame** is rigid and strong and it will be noticed is heavily ribbed, giving the maximum strength with the minimum weight.

**The Saw Spindle** is of our standard refined spindle steel 1½″ in diameter and fitted with cone for self centering.

**Saw Dust Shades** are so arranged as to prevent the saw dust from getting into the roller grooves.

**The Moveable Table**, as will be noticed, is mounted on roller bearings in such a manner that the table moves backwards and forwards absolutely square with the saw and when set up level can be operated with a minimum effort.

**The Stationary Table**, as will be noticed, is provided with a long iron plate and a movable guide, which can be readily set for cutting off various lengths.

**The Long Guide** extends both sides of the saw, carrying material past the saw, which is much the safer method.

We recommend this machine to any one requiring an easily operated, efficient cutting off saw at a minimum cost.

These machines are built in two sizes, No. 212 having moveable table 7′ long and stationary table 4′ 6″ long. No. 214 having moveable table 6′ long and stationary table 3′ 6″ long.

**Tight and Loose Pulleys** in each case 10″ x 5½″ and should run at 840 revolutions per minute, giving a speed of 2900 to 3000 revolutions per minute on the saw.

Each machine is furnished with one 14″ saw.

Horse power required 1½ to 2½.

Approximate shipping weight 1250 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

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FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 216 Improved Double Rip and Cross-Cut Saw

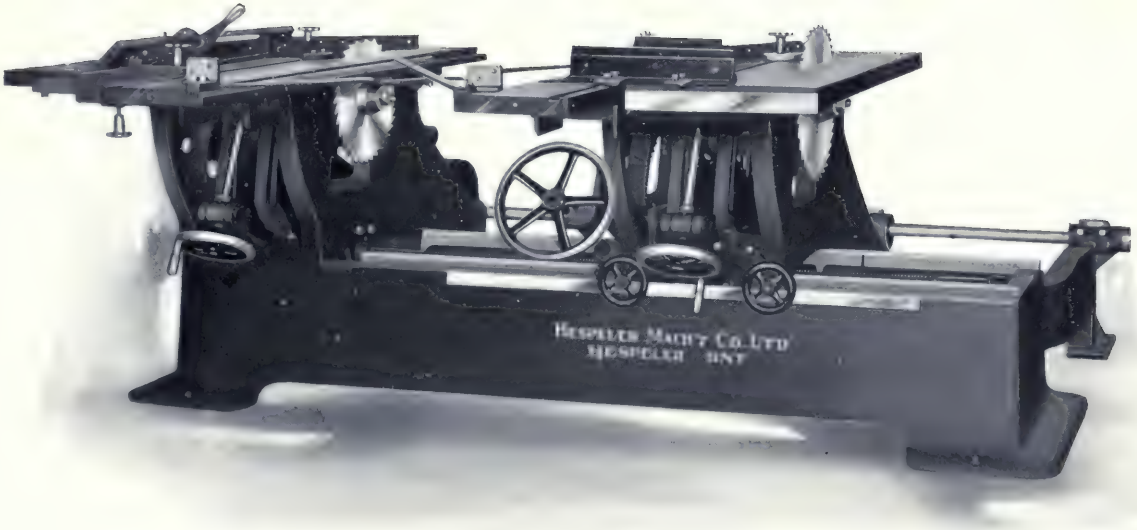
CODE WORD—ALWEDER

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER MACHY CO. LTD
HESPELER ONT

# No. 216 Improved Double Rip and Cross-cut Saw

The illustration on the opposite page represents a heavy, strong, durable machine, greatly in demand for Furniture, Cabinet and Box Factories, etc., where rapid cutting-off is required.

**The Column** is cast in one piece and cored and has a broad base giving it a large bearing on the floor.

**The Tables** are mounted on long heavy shears, carefully planed and fitted. The tables are of iron, planed true on the surface and where connected to shears. You will notice that the one table is stationary while the other can be adjusted by means of a hand wheel to take stock from 7½″ long up to full 7′ in length.

Both tables and saw spindles are adjustable so that the wear can be taken up and they can still be kept in line with each other.

**The Saw Spindles** are made from our standard spindle steel, 1¾″ diameter, running in self-oiling journals. They adjust independent of each other and are raised and lowered by hand wheel, while the table runs along at a fixed height.

**The machine** is furnished with belt tightener, which is self-adjustable and self-oiling, and will keep the belt taut at all times, irrespective of the position of the saw.

This machine can be used by two operators at once, as one of the tables has a wide opening which can be used for grooving, wobble sawing or dado head. When this end of the machine is in use the other table can still be operated for any length up to 5′ 9″.

A ripping gauge, bevelling to 45 degrees, can be used on either table.

Our extension sliding fence slides 42″ long and is used in the place of extension tables, being much more convenient and always ready for use.

Eight (8) gauges are supplied with each machine, consisting of extension sliding fence, one right and one left for bevelling or mitreing; two for squaring; one single and one double for wood extension, and one for ripping. Four (4) 14″ saws are supplied with each machine.

Tight and loose pulleys are 10″ diameter x 5½″ face and should run 700 revolvtions per minute, giving speed of saw 2450 revolutions per minute.

Approximate shipping weight 3400 lbs.

Horse Power, 3 to 7.

Floor space, 12′ x 6′.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 218 Cut-Off Saw

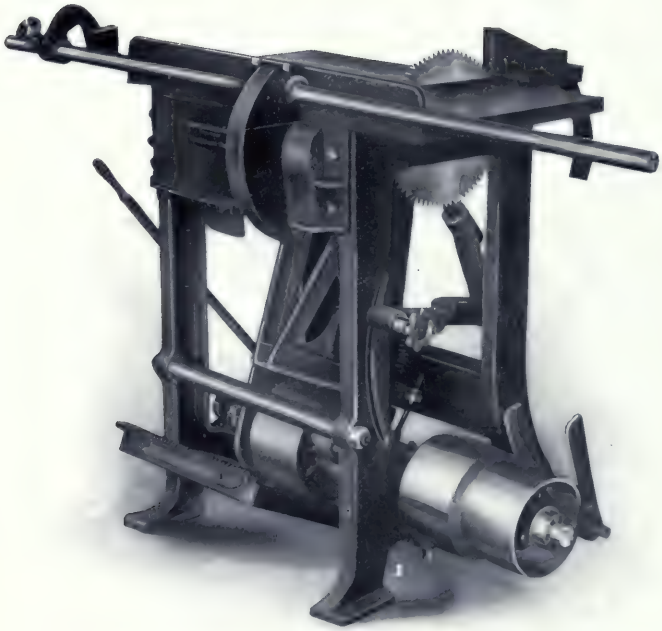
CODE WORD—ARPAGAUNT

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 218 Cut-Off Saw

This machine is designed particularly for the lighter work in sash and door factories, planing mills, box factories, or wherever a rapid, easily operated cut-off saw is required. It can be used for a great variety of work in almost any wood-working establishment. It is a very perfect working machine, constructed in such a manner as to insure durability and efficiency. For end matching it is very rapid, easily operated and accurate.

**The Feed** is semi-automatic, under control of the operator at all times. A friction assists the operator to draw the saw forward through the stock being cut, and as soon as the pressure on treadle is released the saw goes back itself. The travel of the saw can be instantly changed to suit the width of the stock being cut, and the guard is adjustable so as to always keep the saw well guarded. The saw mandrel is 1 7/16″ diameter turned to 1 1/8″ where the saw goes on ; runs in self-oiling bearings and is mounted in a swinging frame operated by foot lever.

**The Stops** are quickly and easily adjusted for different lengths on the shafts shown on cut, which are graduated to 1/8″. They adjust to cut off any length of stock on either side of the saw up to 36″.

The machine will carry a 12″ saw and will cut 16″ wide and 3″ stock if necessary, although only intended for the lighter work.

This saw is ordinarily furnished with plain gauges for square cutting only. We can furnish adjustable right and left hand gauges to cut various angles up to 45 degrees for an additional price.

Floor space 3′ x 3′.

**Tight and Loose Pulleys** 8″ diameter by 4½″ face, and should run 1050 revolutions per minute.

Approximate shipping weight 600 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

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FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 222 Improved Swing Cut-off Saw

# No. 220 Adjustable Swing Cut-off Saw

CODE WORD—No. 222, ABROGANT
220, ABROGAM

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


Grip Engraving
TORONTO

# No. 222 Improved Swing Cut-off Saw
# No. 220 Adjustable Swing Cut-off Saw

No. 222 Swing Cut-Off Saw. This machine (illustration on the opposite page) is the strongest, most durable and lightest running machine on the market to-day. The frame is cast in one solid piece, with cored sections, making a light as well as a strong machine.

**Counterbalance.** We call your attention to our improved counterbalance. We have done away with the long sliding slot in the pendulum lever, and use instead two links, thereby doing away with a great deal of friction. In this improved Swing Saw the operator is not only relieved of lifting the weight of the counterbalance, but it actually aids him in pulling the saw through the material, making it as easy to cut off a board 25 or 30 inches wide as one 4 or 5 inches wide. You will also note by the cut, we have the balance weight inside the hangers, preventing the machine from becoming locked by weight getting back too far, and also doing away with the twisting tendency caused by having weight on outside of hanger, as in the case of other saws of the kind.

The saw and handle are as near the centre of the countershaft bearings as it is possible to get them. Countershaft and spindle are self-oiling. The frame swings on the outside of sleeve boxes, turned perfectly parallel to allow the saw to swing free from the stiffness caused by frame swinging on boxes turned taper, which is the case should these taper boxes be fitted into the swing frame too far, and should they (the taper boxes) be the least slack, they will shake. The countershaft runs in these parallel boxes, making it impossible to get out of line.

The regular length from base of hangers to centre of arbor is 7′, but can be made any required length, either right or left hand, to hang from ceiling or wall, or to work under table when so specified in order.

The size of hole for saw is 1⅛″ to 1¼″ and will take a saw up to 18″ in diameter.

**Tight and Loose Pulleys** are 10″ diameter x 5½″ face and should run 570 revolutions per minute. Speed of spindle 2277 revolutions per minute.

Approximate shipping weight 600 lbs. One 18″ saw supplied with each machine. 1 to 3 h. p. required.

**No. 220 Adjustable Swing Cut-off Saw** is the same as No. 222 Swing Cut-off Saw, except the apparatus for raising and lowering, which is done by turning hand wheel (as shown in engraving), raising or lowering machine perfectly parallel.

Approximate shipping weight 650 pounds

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA


HESPELER
MACHINE
CO. LTD.
HESPELER, ONT.

FIRST ISSUE. AUGUST. 1909

# Nos. 227 and 229 Boring Machines

CODE WORDS—No. 227, ABSENT
No. 229, ABSILUM

HESPELER MACHINERY COMPANY,

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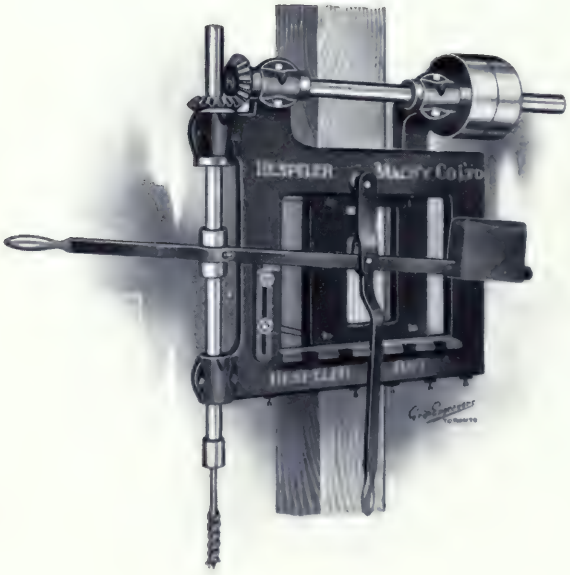
MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# Nos. 227 and 229 Boring Machines

The engraving on the opposite page represents our No. 227 Boring Machine, which is an extra heavy type of Post Borer.

**The Spindle** is made of the best machinery steel 1½″ in diameter, driven by bevel gears cut from the solid, from tight and loose pulleys on horizontal shaft as shown.

**Capacity.** This machine will bore holes up to 2″ in diameter by 12″ deep and the total travel of the spindle is 16″.

**A Slide** moving in planed ways carries the upright spindle with it to any desired position for the work.

**Both Spindle and Shaft** move through sleeve bearings consequently do not come in contact with babbitted bearings.

**Tight and Loose Pulleys** 8″ x 3¼″ and should run 600 revolutions per minute. Approximate shipping weight 320 lbs. 1 Horse Power required to operate it.

## NO. 229 POST BORING MACHINE.

The machine on the back of this bulletin, No. 229 Boring Machine is a lighter type of Post Borer more generally used and for it no lengthy description is necessary. All material is of the best ; gears cut from the solid are used. It has a capacity of 1½″ diameter x 9″ in depth. The diameter of spindle is 1 3/16″.

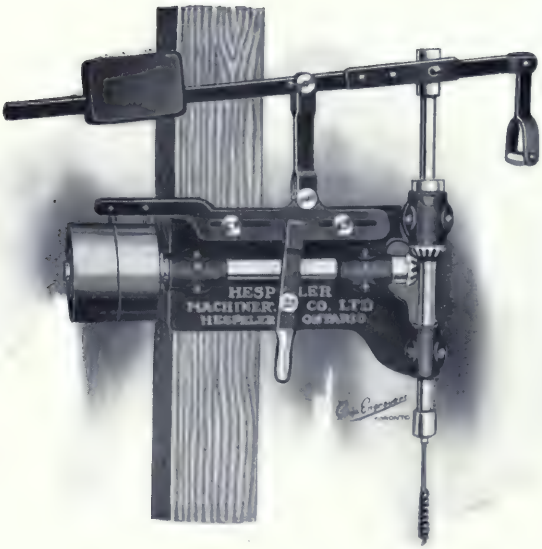
**Tight and Loose Pulleys** 7″ in diameter x 3½″ face and should run 900 revolutions per minute.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA


HESP LER
MACHINERY CO. LTD
HESPELER ONTARIO

FIRST ISSUE, AUGUST, 1909

# No. 230, 232 and 234 Band Re-Saws

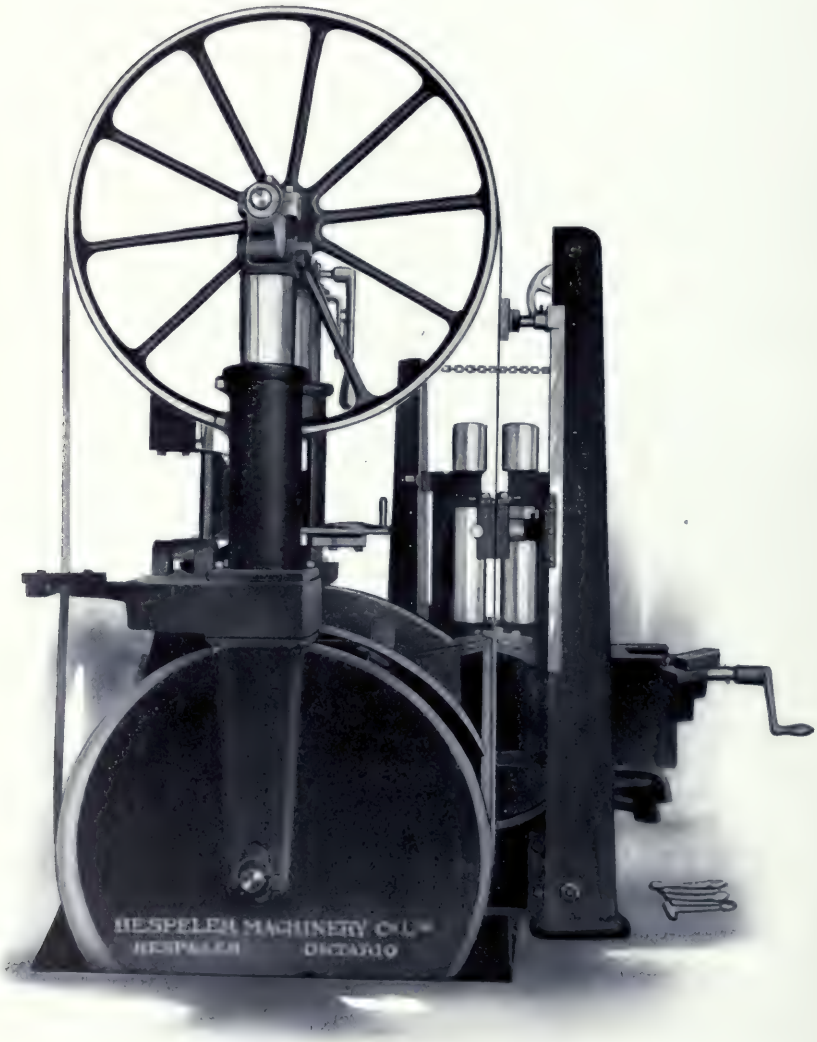
CODE WORD—No. 230, ARGOMA
232, ARGOLIDE
234, ALTRIMUZ

HESPELER MACHINERY COMPANY.

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER MACHINERY CO. LTD.
HESPELER ONTARIO

# No. 230, 232 and 234 Band Re-Saws

The engravings in this bulletin are accurate illustrations of our latest improved Band Re-saws made in three sizes, viz:

No. 230 Band Re-Saw having wheels 54″ in diameter, carrying saw 5″ wide.

No. 232 having wheels 48″ in diameter, carrying saw 4″ wide.

No. 234 having wheels 42″ in diameter, carrying saw 3″ wide.

Careful examination will show that these machines are well designed and the details well worked out. They embody all the conveniences and attachments that are necessary or desirable for any kind of re-sawing within the capacity of the machines and have ample power both on the blade and in the feed works for all reasonable demands, and with proper care the chances of breakages would be remote.

All the adjustments are easily and quickly made, and those necessary to change from one class of work to another are all made from the operator's position at the working side of the machine

**The Frame** is cast in one piece, cored out hollow underneath, is heavily ribbed and perfectly rigid.

**The Wheels** are cast solid of ample strength, and are so designed as to give a large factor of safety when running at the tabulated speeds. The lower wheel (it will be noticed) is very heavy with a solid web in the centre. Faces and Edges of both wheels are accurately ground on their own journals and balanced as near perfectly true as human ingenuity will permit.

**The Feed Works** are driven by belt and changing from one feed to the other can be accomplished by simply turning a hand wheel one quarter of a turn. Each machine has five changes of feed.

**The Rolls** are driven by spur and bevel gears all cased in. All gears cut from the solid and as near noiseless as possible.

**Six Feed Rolls** carry the stock to the saw all of which are driven by gears cut from the solid. The right hand rolls are rigid in their boxes, but the left hand rolls have enough elasticity to grip all uneven stock.

**The Self Centreing Attachment** is so arranged that by one movement of handle the rigid roll becomes adjustable so that you can have a complete self-centreing machine, or by one movement of the handle the right hand roll becomes rigid again. This does away with the use of a wrench in making the machine self-centreing.

**The Rolls** will tilt from 0 to 1 inch in 6 inches to allow for the successful sawing of clap boards and general bevel work.

**The Tension** on the blade is accomplished by double acting knife balance levers with detachable weights.

**The Guides** have adjustable hardened steel back flat rollers with front and side blocks, adjustable or planed ways. The lower guide is adjustable. The upper one is counterweighted and instantly adjustable vertically to the width of the stock.

**The Saw** runs within 1 inch of the centre of the back roll, cutting the stock while it is firmly held. When doing bevel sawing the feed works can be drawn back by a lever to prevent the saw striking the rolls and the safety lock is so arranged that the rolls can not be tilted until the feed works are drawn back from the saw.

**Cleaners** are provided on both wheels. A packing box is attached to the lower wheel guard, which should be kept filled with oily waste to soften the gum which often collects.

**The Spindles** are made from the best carbon steel and are of ample proportion. They run in three bearings, the outer bearing of which is suspended from the top of the frame, as shown clearly in the rear view. This bearing has double adjustment for taking up of the wear.

No. 230 will cut 12″ in 6″ and 6″. Floor space 75″ x 75″. Size of saw 5″. Speed, 500 revolutions.

No. 232 will cut 10″ in 5″ and 5″. Floor space 75″ x 66″. Size of saw 4″. Speed, 550 revolutions.

No. 234 will cut 8″ in 5″ and 3″ x 26″ wide. Floor space 70″ x 4′ x 10″. Size of saw, 3″ to 3½″. Speed, 550 revolutions.

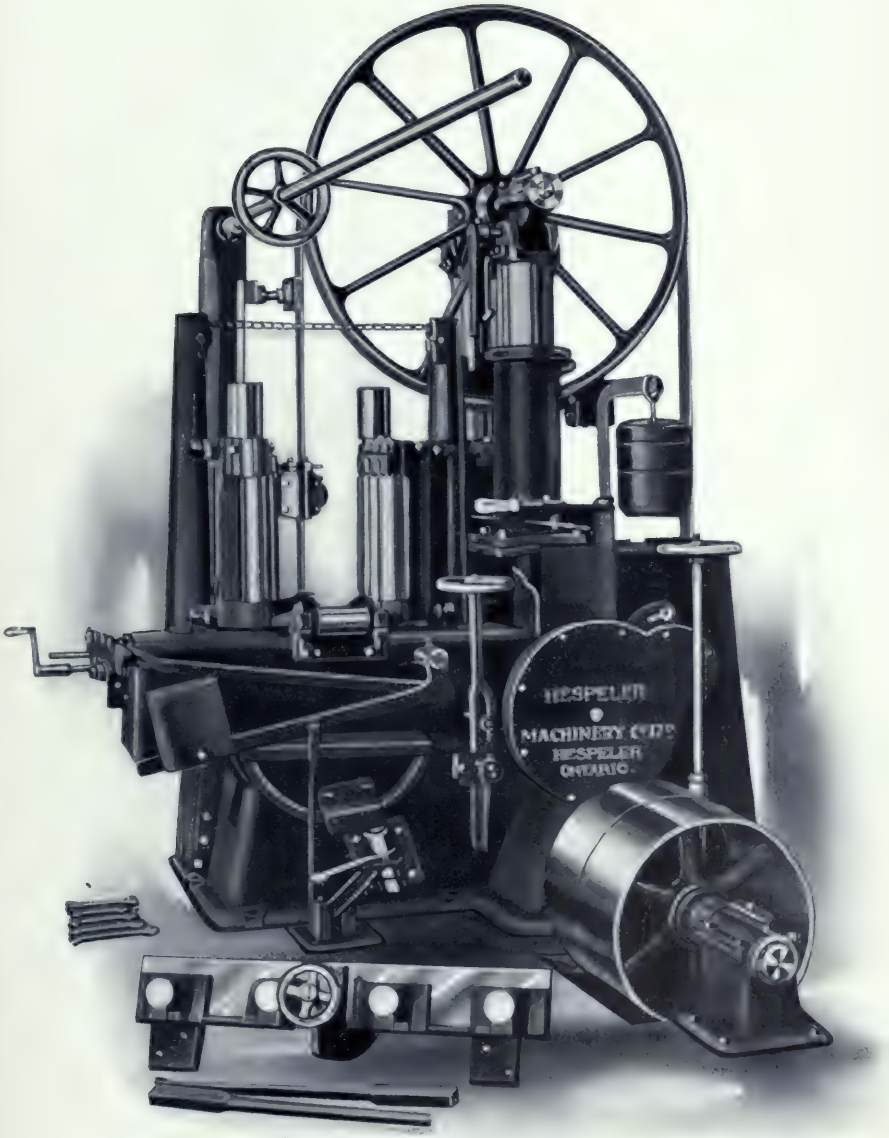
No. 230 Length of saws 26″. Extreme height 9′. Horse Power 12 to 20. Tight and Loose Pulleys 24″ x 8½″. Approximate weight 7400 lbs.

No. 232 Length of saws 24 ft. 6″. Extreme height 8 ft. 8″ Horse Power 10 to 15. Tight and Loose Pulleys 20″ x 8½″. Approximate weight 6500 lbs.

No. 234 Length of saws 22 ft. 4″. Extreme height 8 ft. 4″. Horse Power 4 to 6. Tight and Loose Pulleys 18″ x 6½″. Approximate weight 3500 lbs.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA


HESPELER
MACHINERY CO. LTD.
HESPELER
ONTARIO

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FIRST ISSUE, AUGUST, 1909

# No. 231 Vertical Borer

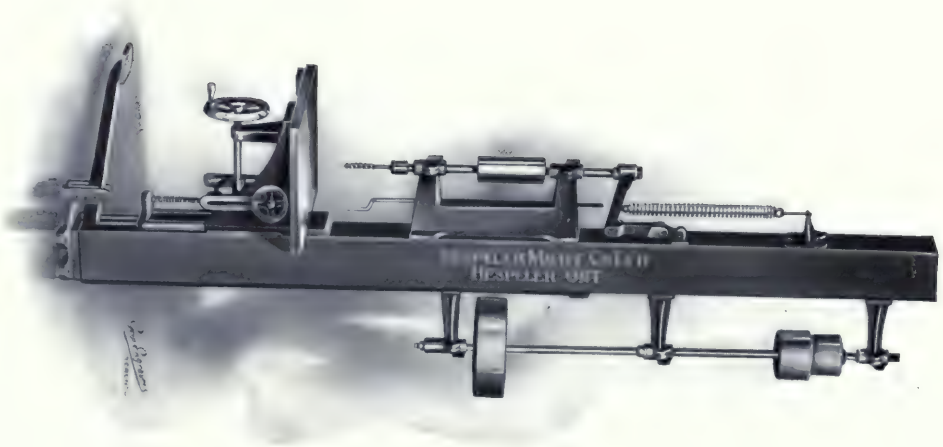
CODE WORD—ABSENTIVE

HESPELER MACHINERY COMPANY

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 231 Vertical Borer

The machine on the opposite page is of a design that has met with much favor by many who are now using it.

**The Spindle** is of fine steel and hard brass collars are furnished for lever sleeve. It hangs 10″ from the post and will bore to a depth of 6″.

**Boxes for Spindle** are cast together in a heavy cored yoke with self-oiling bearings.

**The Table** is 20″ x 36″, made of hardwood glued up in strips in the usual manner, and has vertical adjustment of 13″ and tilts to an angle up to 45 degrees. It raises and lowers in V slides by hand wheel shown in cut.

**The Post** is 8″ x 8″ x 12′ long, glued up, unless otherwise ordered.

**The Countershaft** is supported on the post by three heavy self-oiling bearings, while the bottom of shaft rests on babbitt step in a reservoir filled with oil. The depth gauge or stop is threaded for adjustment, and is fastened with a hand screw to insure accurate deep work.

**Points of Advantage** are the methods of balancing the spindle and pulley by means of the heavy bar connecting the heavy foot lever with the balance lever; the retracing spring has only to overcome the friction of the parts, and as a consequence the labor on the operator's foot is very light, and the motion very quick, thereby increasing the capacity of the machine considerably. For these reasons and the care used in fitting the parts, as well as the general convenience of the adjustments, we claim this machine has no equal of its kind on the market.

**Tight and Loose Pulleys** 8″ diameter x 4½″ face and should run 600 revolutions per minute. Speed of spindle 2,400 revolutions per minute. Approximate shipping weight 700 lbs. Horse Power about 1. Floor space 5′ x 4′ 3″.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

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HESPELER, ONTARIO, CANADA

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FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 233 and 235 Double Horizontal Borer

## WITH RADIAL ADJUSTMENT

CODE WORD—No. 233, ADLUM
235, ADMAH

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS

# No. 233 and 235 Double Horizontal Borer, with Radial Adjustment

The engraving on the opposite page represents a machine that is almost universally used in Furniture Factories. It is designed to bore two holes at once from 1″ to 8″ apart in the smaller machine, and 1″ to 18″ apart in the larger machine.

**The Column**, as will be noticed, is cast in one piece, having a heavy table gibbed to the front side, raising and lowering by screws in the usual manner, having a vertical movement of 8½″. It also has a horizontal movement under foot control of 7″.

**The Radial Head** has two arms to which is secured a stud carrying the large fine cut gear, and by a slight movement of the handle, without slackening any of the mechanism, can be easily thrown out or in mesh, and securely locked so that one or both spindles can be used, as desired.

To raise or lower the table without changing position of foot treadle, release wing tightner in slotted connecting piece.

**The Adjustable Support** carrying the radial spindle can be locked instantly in any position by convenient clamp wheel.

**The Spindles**, which are made of the best cast steel, are nicely fitted in bronze bearings adjustable for wear. The main spindle retains a central position, and the radial spindle is adjusted to and from it on dovetail bearings by screw and hand wheel. It can be tilted to any angle to 45 degrees.

**The Brackets** carrying the main spindle bearings and yoke supporting intermediate gear, are securely fastened to the column, giving great rigidity to spindle and other working parts.

Also notice our special clamping device on table. Same is set to proper thickness by hand wheel and may then be tightened instantly by small handle shown on cut.

One pair of bits are supplied with each machine.

No. 233 Borer will bore 1″ to 8″ centres. Table 24″ x 15″. Tight and loose pulleys 8″ x 4½″. Speed of countershaft 500 revolutions per minute. Speed of spindles 1375 and 1500 revolutions per minnte. Horse power 1 to 2. Floor space 4′ 6″ x 2′ 9″. Approximate shipping weight 1100 lbs.

No. 235 Borer will bore 1″ to 18″ centres. Table 24″ x 15″. Tight and loose pulleys 8″ x 4½″. Speed of countershaft 500 revolutions per minute. Speed of spindles 1375 and 1500 revolutions per minute. Horse power 1 to 2. Floor space 4′ 6″ x 3′ 8″. Approximate shipping weight 1150 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE. AUGUST 1909

# No. 236 Combined Band and Band Re-Saw

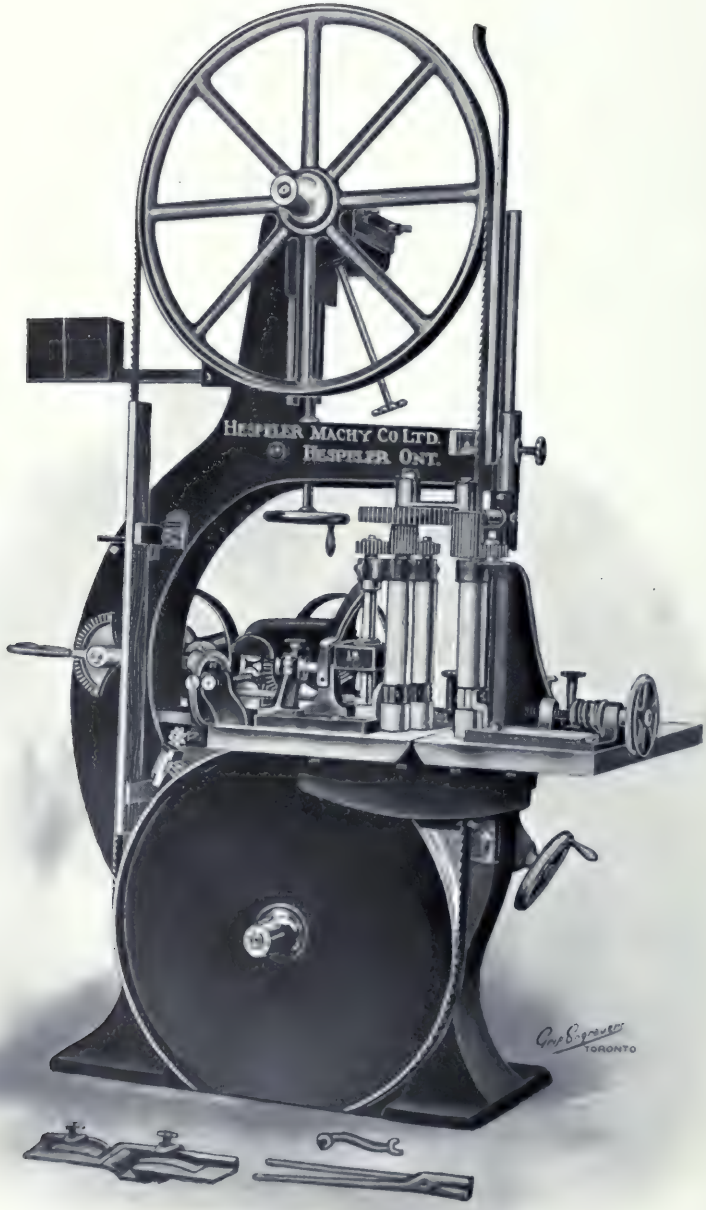
CODE WORD—ANCHOR

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER MACHY CO LTD.
HESPELER ONT.
TORONTO

# No. 236 Combined Band and Band Re-Saw.

The engraving on the opposite page represents a very useful machine for the smaller mills and factories where they have not sufficient amount of work to put in a special machine for re-sawing. The attachments as shown embody all the conveniences for light re-sawing, with ample power both in the blade and feed works for ordinary demands. The machine is made with eight (8) changes of feed varying from 16 to 40 running feet per minute, and will split stock 19″ wide and to the centre of 7″ in width.

**The Frame** is exceptionally heavy, cored out in the usual manner, and is well proportioned and very strong.

**The Wheels** are 40″ in diameter, 3″ face, with bell shaped hubs, allowing the bearings to extend into the wheels and under the strain of the saw. The wheels are turned true and covered with best leather belting, fastened in place by a special mixture of our own, which allows the parts to be turned true as often as necessary, which cannot be done with ordinary rubber belts, which once grooved are useless.

**The Table** is of iron 40″ x 42″ and is heavily ribbed and trussed underneath to prevent springing of the rollers while re-sawing. The table can be tilted to 45 degrees, and is perfectly rigid in any position.

**Saw Guides** are hardened cast steel rolls adjustable to and from the saw, with counterbalance weight.

**Saws** as long as 23 feet can be used, and each Band Re-Sawing Machine is furnished with one ½″ blade and one 2″ re-sawing blade, with brazing tongs and wrenches.

**Tight and Loose Pulleys** are 18″ diameter x 6½″ face and should run at rate of 500 revolutions per minute. Bearings and loose pulleys are self-ciling. Floor space 3′ 5″ x 6′ 8″. Horse power 3 to 8. Approximate shipping weight 3400 lbs.

## NO. 248, 40-INCH BAND SAW.

This machine is also made without the re-sawing attachment for mills, or factories where they have exceptionally heavy band sawing to do. When sold for band sawing only we furnish two saw blades any width specified, together with brazing tongs and wrenches.

Floor space 3 ft. 5″ x 6 ft. 8″. Horse Power 3 to 8. Approximate shipping weight 2700 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY
LIMITED

HESPELER, ONTARIO, CANADA

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self-Feed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, Etc.

FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 237 Multiple Vertical Boring Machine

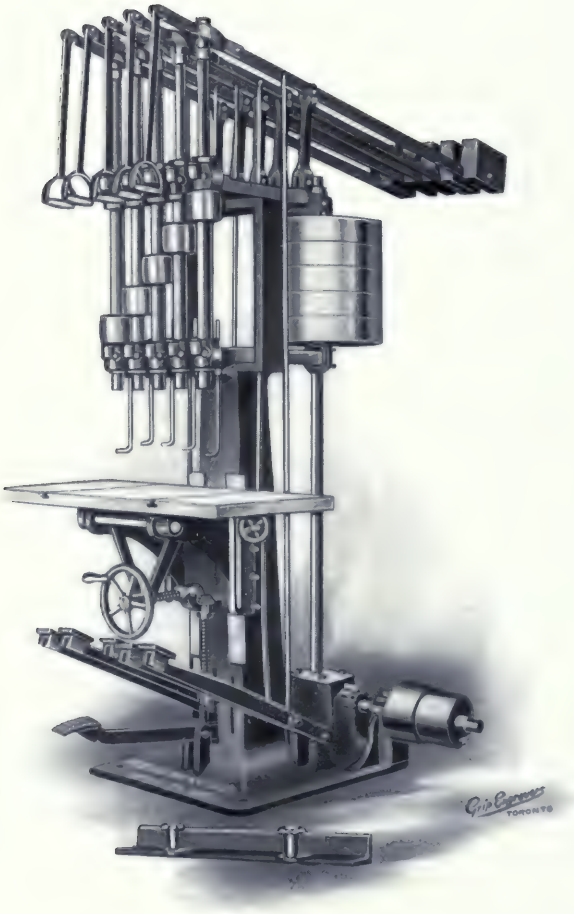
CODE WORD—ADNISOM

HESPELER MACHINERY COMPANY

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 237 Multiple Vertical Boring Machine

The machine on the opposite page represents our Multiple Vertical Boring Machine, many of which are in use in agricultural works and other factories, all of which are giving good satisfaction.

The machine is made of iron and steel throughout.

**The Frame** is of pedestal type cored out, the wide base making it a very steady machine.

**The Standard Machine** is built to carry five spindles, which enables the operator to use five different bits without change.

**The Spindles** it will be noticed are driven by belts from pulleys on the self-contained countershaft at the rear of the machine. Spindles are 5″ centres and will bore 11″ deep.

**The Table** can be set to any angle up to 45 degrees and is raised and lowered by the hand wheel shown. The face of the table is slotted and the fence can be set so as to bore mitres, or angle boring. The table can also be raised by foot power.

**The Boring Spindles** are of the best steel and slide in long sleeves, which in turn run in babbitt lined bearings of ample proportion, all of which has a tendency to minimize repairs and lengthen the life of the machine.

**Tight and Loose Pulleys** 10″ x 5½″.

Speed of countershaft 500 revolutions per minute.

Horse power 2 to 3.

Floor space 4′ x 6″.

Approximate shipping weight 2,100 lbs.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

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FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 246 36-inch Band Sawing Machine

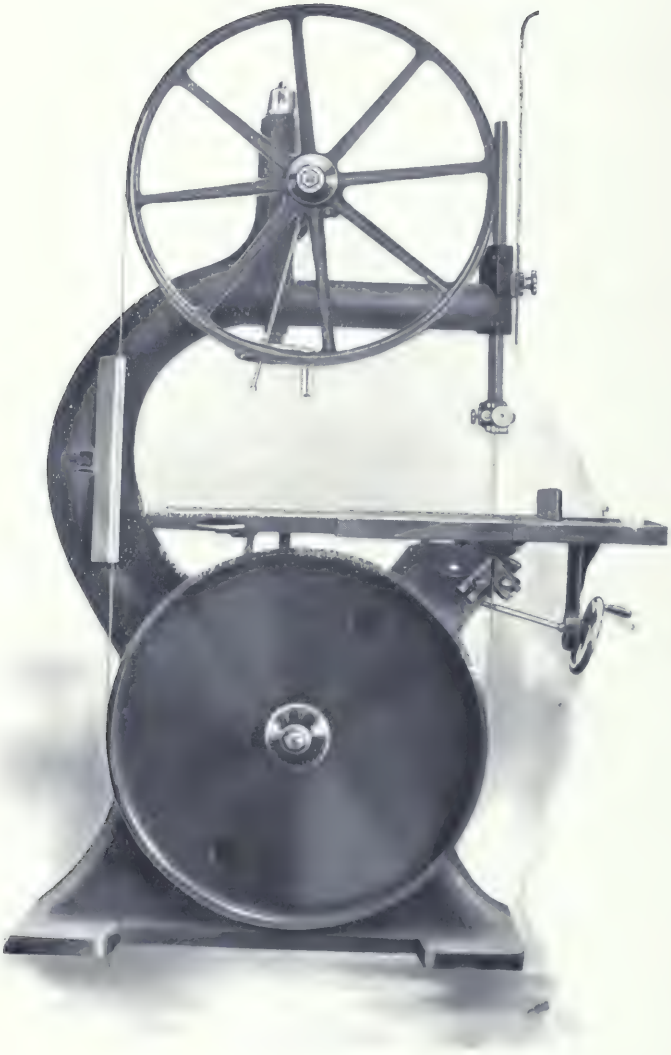
CODE WORD—ABRON

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS



# No. 246, 36″ Band Sawing Machine

The engraving on the opposite page represents our new style 36″ Band Saw. The design of which embodies all the latest and most useful improvements contained in the many machines offered, and is the result of careful enquiry into the various types offered.

**The Main Frame** is in one piece, cored according to the best modern practice, is well designed and proportioned for strength, is symmetrical and substantial. The weight is properly distributed making the machine a model of compactness and solidity.

**The Wheels** it will be noticed are of good design, top wheel well proportioned and substantial, while the bottom wheel is of the disc type of sufficient weight, to insure steady running without being affected by the vibration of the belt, or vibration of the saw caused by coming in contact with knots of other hard substances of similar nature, which has a tendency to affect the steadiness of motion in machines made with lighter wheels. Solid disc wheels are also more favorable to most of mill men and factory inspectors as refuse, etc., are less liable to get caught than in the open arm type.

**The Shafts** are of steel and run in extra long self-oiling bearings, have also a third bearing bolted to the frame on the outside of the Tight and Loose Pulleys.

**The Pulleys** are 14″ in diameter x 4½″ face, loose pulley being fitted with oil chamber of ample capacity which enables it to be operated for considerable length of time with the minimum amount of attention to oiling.

**The Guide** furnished is a standard Wright Guide, which leaves little to be desired. The guide post is of square steel accurately finished and true, and held in balance by a steel spring, and can be clamped at any height within its range by hand wheel shown in front.

**The Table** is extra heavy and well trussed, is planed and finished perfectly true and smooth, and has the latest improved screw tilting arrangement ; can be tilted and held perfectly rigid at any angle up to 30 degrees and requires no locking devices.

The adjustments are so grouped that the operator is in reach of them without leaving his place ; the position of the belt shifter, the adjusting of the upper wheel, tightening of the saw, raising or lowering of guide, or tilting of the table is at all times within easy reach of the operator, which are points well worthy of consideration.

With each machine we furnish one ½″ Band Saw Blade, brazed, set and filed, ready for operation.

DIMENSIONS

Diameter of wheels 36″. Revolutions 450 to 500. Length of saw 19′. Will cut stock 16″. Pulleys 14″ x 4½″. Table surfaces 30″ x 38″. Sawing space 16″ x 36″. Extreme height 8′. Floor space 20″ x 4′. Approximate shipping weight 1750 lbs.

These machines are at all times in stock, or under construction, and can always be shipped in five days from receipt of order.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

In addition to machine set forth in this bulletin, we manufacture a standard line of Surface Planers, Planers and Matchers, Combined Planers, Matchers and Moulders, Moulders, Buzz Planers, or Jointers, Mortisers, Tenon Machines, Sash and Door Clamps, Shapers, Band Re-Saws, Self Peed Rip Saws, Saw Tables, Band Saws, Borers, Sanders, etc.

For Bulletins, etc., address


## HESPELER MACHINERY COMPANY

LIMITED

HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# Nos. 257 and 259 Lucas Panel Belt Sanders

CODE WORD—257, ABLE
259, ABIDE

HESPELER MACHINERY COMPANY,

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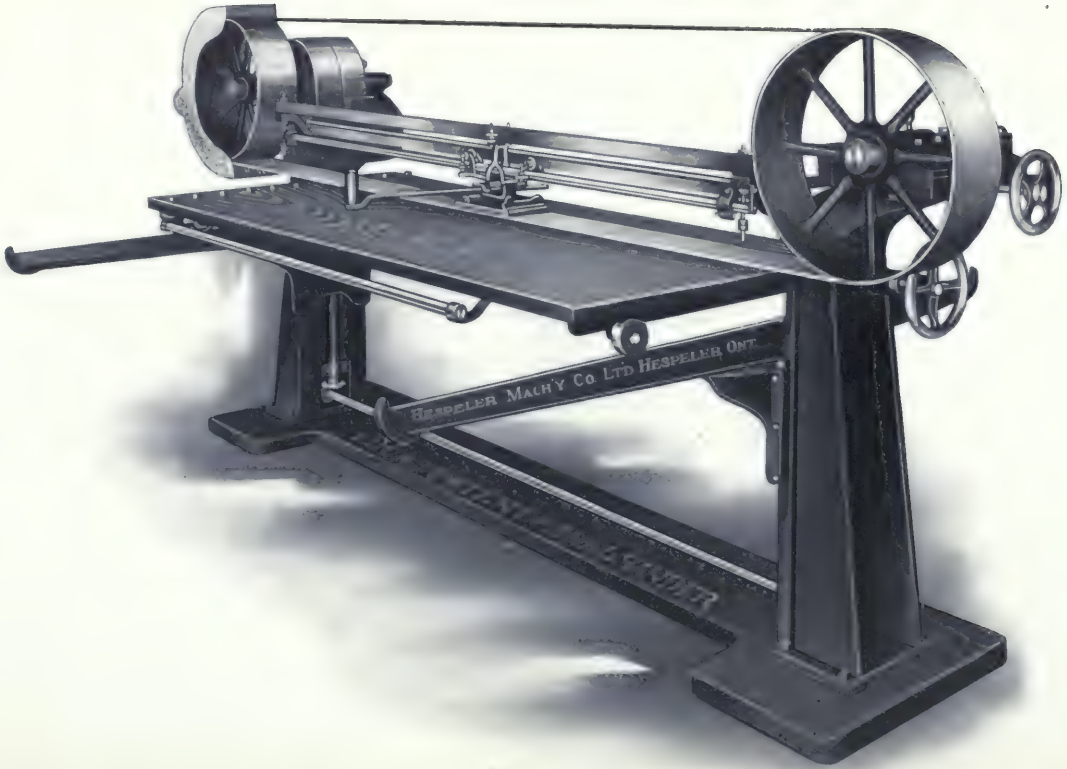
MANUFACTURERS OF

HIGH GRADE WOOD TOOLS


HESPELER MACH'Y CO. LTD HESPELER ONT.

# Nos. 257 and 259 Lucas Panel Belt Sanders

No. 257 Lucas Panel Belt Sander takes stock 8′ long x 42″ wide x 18″ thick.

No. 259 Lucas Panel Belt Sander takes stock 6′ long x 42″ wide x 18″ thick.

Among the recent machines we have secured the Canadian rights on is the above machine, engraving of which is shown on the opposite page. We have thoroughly investigated this machine and are satisfied it is one of the greatest money savers ever introduced.

It is a machine that approaches the nearest to hand-sanding of anything on the market.

Note the simplicity of this machine and the absence of complicated machinery. **It does not require an expert machine man to operate it.**

While sandbelt is running, no other parts of the machine are in motion until pressure of pad is applied to sandbelt by operator.

Short or long strokes, or no stroke at all is produced at the will of the operator, making it possible to sand irregular shaped panel, tops, panelled doors or frames.

There is no dead pressure on the work, the pad being applied directly on the sandbelt by the operator with a light or heavy pressure as desired, thus accomplishing the best results. A heavy pressure is possible with but little effort on account of leverage device on carriage and does not tire the operator, when making the strokes required, as the friction is reduced to a minimum.

A fine finish can be produced on uneven surfaces, thus obviating the danger of cutting through the veneer on stock that is not perfectly flat.

Mouldings can be sanded by using forms.

The make up of the pad is the result of much experience, being very durable, practically frictionless, and easily adjusted.

This machine is the cheapest, the most durable, the most practical, the most economical, the easiest to operate and understand, and produces the best results of any machine of its kind that a manufacturer can place in his factory.

**The foregoing specifications is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

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FOR BULLETINS, ETC. ADDRESS

HESPELER MACHINERY COMPANY
LIMITED
HESPELER, ONTARIO, CANADA

FIRST ISSUE, AUGUST, 1909

# No. 263 Arm Sander

# No. 261 Adjustable Arm Sander

CODE WORD—No. 263, ANNATA
261, AMMELINO

HESPELER MACHINERY COMPANY,

LIMITED

MANUFACTURERS OF

HIGH GRADE WOOD TOOLS

HESPELER MACHINE CO. LTD. HESPELER, ONT.
Grip Engraving
Toronto

# No. 263 Arm Sander

# No. 261 Adjustable Arm Sander

The accompanying illustration represents our No. 263 Improved Arm Sander for sand-papering doors, sashes, blinds, furniture, coffins, and all other plain surfaces.

It is simple in construction, admits of any swinging or doubling, necessary to accomplish its object, and is the most rigid machine of its class on the market.

As shown in the cut, it is braced at the centre by a support to a bush on the shaft, which relieves the strain on the swinging parts and makes it a very substantial machine.

**Paper Fastener.** By unscrewing brass band the paper can be instantly removed and a new piece placed in the disc.

**The Paper Cutter** supplied with the machine will cut paper to fit the disc.

This machine is furnished with an improved Loose Pulley, which can be oiled without stopping the machine, or pulley.

**Tight and Loose Pulleys** are 10″ diameter x 3¼″ face and should run 500 revolutions per minute. About 1 h. p. Approximate shipping weight 300 pounds.

All journals are machine ground perfectly true.

The cut on back page illustrates our Adjustable Arm Sander for sand papering doors, sash, blinds, furniture, coffins, and all plain surfaces.

**The Adjustable Slide** gives 10″ of adjustment and raises and lowers the machine. The pulley on the countershaft is fitted to sleeve which slides on countershaft, the end of which runs on step in reservoir filled with oil. The adjustment on this machine saves the expense of an adjustable table.

As will be noticed, it is braced at the centre by a support to a bush on the shaft, which relieves the strain on swinging parts and makes it a very substantial machine.

By unscrewing a brass band the paper can be instantly removed and a new piece placed on the disc.

**The Paper Cutter** supplied with this machine will cut paper to fit the disc.

This machine is furnished with an Improved Loose Pulley, which can be oiled without stopping the machine or the pulley.

**Tight and Loose Pulleys** are 10″ diameter x 3¼″ face and should run 500 revolutions per minute. One horse power. Approximate shipping weight, 400 pounds.

All journals are machine ground perfectly true.

**The foregoing specification is a fair representation of the machines as built at the present time. We reserve the right to make any changes that in our opinion will add to the efficiency of the machine.**


HESPELER MACHINERY COMPANY

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